



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : VF1-L35-750-WF-XX-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]GEN FROM ATAL009592-R3  
 [TESTLAB]ATAL-LABS  
 [ISSUEDATE] 28 NOV, 2022  
 [MANUFAC]WILLIAMS OUTDOOR  
 [OTHER]H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT]VF1-L35-750-WF-MTG-CLR-OPT-DIM-UNV  
 [LUMINAIRE]VOLTAIRE SMALL ARCHITECTURAL FLOOD LIGHT WITH WIDE  
 [MORE]FLOOD MOLDED REFRACTIVE CLEAR ACRYLIC LENS AND A CLEAR GLASS  
 [MORE]LENS.  
 [LAMPCAT]X16-LUXEON TX 4000K LEDS  
 [LAMP](16) LUXEON TX 4000K LEDS  
 [BALLASTCAT]X1-EUC-018S035DSP  
 [BALLAST](1) INVENTRONICS ELECTRONIC DRIVER  
 [OTHER]INPUT WATTS: 36, AMPS: 0.1506, VAC: 120.02, TEMP: 25.4 C  
 [ \_SEARCH\_SOURCE]TYPE] LED  
 [ \_SEARCH\_APPLICATION] Outdoor, Architectural, Facade, Landscape, Parking, Site, Flood, Wet Location  
 [ \_SEARCH\_MOUNTING] Arm, Ground, Pole, Post Top, Wall  
 [ \_SEARCH\_CERTIFICATION] DLC  
 [ \_SEARCH\_CLASSIFICATION] IP66

Note: Candela values converted from Type-B to Type-C

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3720
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	36
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.96
Spacing Criterion (90-270)	2.06
Spacing Criterion (Diagonal)	1.76
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF1-L35-750-WF-XX-DIM-UNV\_.IES**

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	18500	20922	21319
55	8558	10251	8949
65	3655	3247	3714
75	2214	2200	2407
85	0	787	286

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF1-L35-750-WF-XX-DIM-UNV\_.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
<b>0.0</b>	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385
<b>2.5</b>	934.330	934.333	934.341	934.355	934.374	934.399	934.429	934.464	934.505	934.550
<b>5.0</b>	933.751	933.751	933.751	933.751	933.751	933.751	934.371	934.780	935.146	935.463
<b>7.5</b>	951.708	951.618	951.348	950.899	950.964	950.901	950.655	950.226	948.947	949.276
<b>10.0</b>	989.359	988.688	987.701	987.911	988.376	988.374	987.868	986.818	987.441	987.530
<b>12.5</b>	1051.339	1050.684	1049.372	1051.223	1051.899	1051.866	1052.235	1053.457	1053.829	1053.330
<b>15.0</b>	1135.330	1134.856	1135.460	1137.508	1138.515	1139.061	1139.934	1140.044	1138.631	1144.070
<b>17.5</b>	1233.107	1229.368	1229.205	1230.282	1230.290	1232.605	1234.056	1235.244	1238.681	1241.259
<b>20.0</b>	1313.739	1311.914	1313.213	1315.024	1317.644	1320.952	1320.988	1320.890	1320.572	1321.170
<b>22.5</b>	1336.909	1336.716	1336.216	1335.541	1335.852	1336.520	1337.111	1338.369	1340.465	1343.504
<b>25.0</b>	1327.255	1327.336	1328.614	1329.810	1330.608	1331.589	1332.477	1333.355	1334.149	1334.870
<b>27.5</b>	1316.056	1316.237	1317.157	1318.114	1318.943	1320.361	1322.051	1322.612	1323.073	1323.297
<b>30.0</b>	1307.947	1307.974	1308.056	1308.362	1308.741	1310.417	1311.441	1312.083	1313.337	1314.482
<b>32.5</b>	1305.050	1305.079	1305.165	1306.278	1308.035	1310.781	1312.172	1313.138	1314.282	1316.110
<b>35.0</b>	1334.335	1333.952	1332.803	1331.795	1331.062	1330.530	1328.960	1326.873	1324.963	1325.834
<b>37.5</b>	1371.664	1371.271	1370.089	1368.213	1366.923	1366.573	1366.674	1365.065	1364.800	1364.953
<b>40.0</b>	1384.408	1384.271	1383.508	1380.328	1379.615	1379.991	1381.657	1384.416	1390.905	1400.638
<b>42.5</b>	1397.151	1397.012	1395.319	1389.291	1386.920	1382.426	1380.427	1380.782	1383.864	1391.069
<b>45.0</b>	1216.425	1217.251	1221.655	1226.925	1238.860	1249.808	1267.881	1289.014	1317.313	1358.088
<b>47.5</b>	1035.699	1035.359	1039.697	1045.875	1056.423	1066.262	1081.349	1090.962	1099.239	1124.073
<b>50.0</b>	842.616	842.569	843.248	847.633	858.177	873.827	888.072	883.799	876.081	882.463
<b>52.5</b>	649.532	649.328	645.678	646.796	657.785	681.271	689.319	675.439	674.280	684.241
<b>55.0</b>	456.449	455.782	447.673	445.242	458.577	491.870	485.493	468.997	475.640	484.644
<b>57.5</b>	378.250	376.714	367.886	361.439	367.173	389.527	360.123	333.848	326.602	306.724
<b>60.0</b>	300.052	299.051	293.586	290.152	296.359	314.910	287.697	273.824	269.671	254.464
<b>62.5</b>	221.853	221.586	219.673	219.334	225.046	238.161	222.009	216.485	214.372	207.018
<b>65.0</b>	143.654	144.299	146.108	148.934	153.276	159.141	159.096	160.571	162.248	162.484
<b>67.5</b>	121.063	121.614	122.778	122.681	123.881	124.872	124.376	124.293	124.873	125.999
<b>70.0</b>	98.473	99.410	101.220	99.907	101.035	101.650	101.297	101.182	102.007	102.333
<b>72.5</b>	75.882	77.223	79.695	77.162	78.169	78.421	78.326	78.046	79.229	78.323
<b>75.0</b>	53.291	55.051	58.197	54.407	55.286	55.192	55.443	54.890	56.521	54.033
<b>77.5</b>	39.968	41.283	44.143	41.080	41.703	41.473	41.365	40.232	41.061	37.226
<b>80.0</b>	26.646	27.544	30.241	28.235	29.050	29.326	29.404	28.736	29.169	26.640
<b>82.5</b>	13.323	13.790	16.327	15.387	16.425	17.242	17.430	17.222	17.511	16.310
<b>85.0</b>	0.000	0.026	2.401	2.536	3.814	5.201	5.447	5.696	6.008	6.161
<b>87.5</b>	0.000	0.000	1.160	1.168	1.759	2.373	2.399	2.429	2.465	2.508
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Angles**      **Horizontal Angles**

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
<b>0.0</b>	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385
<b>2.5</b>	934.601	934.727	934.839	934.960	935.093	935.235	935.388	935.552	935.725	935.909
<b>5.0</b>	935.725	935.927	936.064	936.131	936.126	936.000	936.909	937.527	938.091	938.601
<b>7.5</b>	950.115	951.518	952.691	953.621	954.301	954.721	954.875	954.382	956.321	956.627
<b>10.0</b>	985.258	987.013	987.471	990.477	992.871	994.462	995.227	995.152	993.537	998.523
<b>12.5</b>	1054.191	1056.417	1058.659	1060.786	1062.730	1065.849	1068.119	1069.533	1070.725	1074.285
<b>15.0</b>	1147.125	1149.301	1150.558	1155.975	1158.510	1158.536	1164.738	1168.152	1171.588	1174.415
<b>17.5</b>	1244.258	1248.230	1251.706	1255.455	1259.840	1264.157	1268.572	1271.430	1277.755	1281.408
<b>20.0</b>	1323.607	1326.973	1333.268	1341.357	1344.056	1346.548	1352.631	1358.964	1361.042	1366.577
<b>22.5</b>	1346.855	1349.711	1353.819	1354.032	1357.113	1361.637	1366.641	1374.082	1373.858	1377.230
<b>25.0</b>	1334.545	1333.917	1334.202	1335.168	1335.672	1335.337	1335.026	1338.022	1341.715	1343.317
<b>27.5</b>	1323.872	1324.682	1324.580	1323.888	1323.007	1323.207	1324.641	1325.397	1325.404	1326.344
<b>30.0</b>	1316.828	1318.910	1320.708	1322.177	1323.007	1323.007	1323.007	1323.451	1325.094	1327.220

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF1-L35-750-WF-XX-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

32.5	1317.472	1317.513	1316.936	1319.167	1321.835	1323.451	1325.922	1328.206	1329.927	1333.414
35.0	1329.783	1332.477	1333.933	1334.167	1332.531	1331.835	1337.775	1342.351	1347.965	1350.955
37.5	1364.494	1363.322	1362.025	1361.207	1364.010	1365.964	1367.862	1371.823	1377.134	1382.092
40.0	1406.177	1404.468	1402.540	1399.722	1398.234	1399.731	1405.201	1407.846	1409.088	1414.613
42.5	1399.062	1405.092	1413.993	1424.575	1423.246	1415.588	1414.721	1416.142	1429.843	1424.714
45.0	1380.194	1375.163	1366.180	1363.883	1368.585	1382.472	1390.364	1382.515	1375.699	1383.053
47.5	1159.375	1196.827	1228.072	1273.181	1278.128	1261.140	1254.733	1258.721	1272.063	1274.129
50.0	905.598	924.074	945.587	981.976	1019.499	1044.959	1079.427	1062.890	1066.216	1069.639
52.5	699.495	693.877	690.794	688.005	678.768	691.315	752.567	801.449	826.113	825.472
55.0	492.877	498.821	504.905	500.218	465.238	447.554	463.541	517.601	546.773	567.193
57.5	296.098	312.334	327.545	332.852	322.189	335.872	351.302	340.806	317.169	335.444
60.0	244.873	234.462	222.825	213.430	209.842	227.116	240.617	240.652	230.852	226.483
62.5	202.545	196.244	188.902	181.477	175.179	169.126	163.056	160.158	166.347	167.606
65.0	163.021	160.912	156.822	151.665	147.135	142.281	137.185	131.915	127.623	122.138
67.5	127.366	128.176	126.420	123.618	120.427	116.807	112.767	109.706	107.058	103.866
70.0	102.489	102.529	100.267	98.187	95.896	92.861	89.688	89.443	88.699	87.496
72.5	77.539	76.952	75.393	74.809	74.117	72.409	70.578	70.841	71.473	71.486
75.0	52.531	51.751	50.936	52.270	53.127	52.927	52.516	52.529	52.945	53.596
77.5	34.531	32.302	30.515	31.659	32.847	34.256	34.487	34.232	34.947	36.332
80.0	24.968	23.221	22.022	23.370	23.791	23.598	22.493	20.869	20.406	20.583
82.5	15.593	14.247	13.557	15.112	15.265	14.805	14.148	13.322	13.367	13.637
85.0	6.349	5.360	5.100	6.863	6.731	5.998	6.042	6.051	6.381	6.752
87.5	2.556	1.876	1.661	2.563	2.211	1.473	1.512	1.570	1.637	1.714
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.  
Angles**

**Horizontal Angles**

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385
2.5	936.102	936.304	936.515	936.733	936.958	937.190	937.534	937.684	937.966	938.246
5.0	939.055	939.340	940.302	941.289	942.214	943.077	943.879	944.620	945.300	945.923
7.5	958.865	960.573	961.992	963.125	963.975	964.548	964.851	965.424	966.189	968.988
10.0	1002.425	1005.546	1007.888	1009.458	1009.847	1011.908	1012.031	1016.225	1018.183	1019.308
12.5	1077.992	1080.487	1081.771	1083.655	1086.841	1087.193	1092.778	1095.566	1099.189	1101.941
15.0	1177.418	1179.382	1181.537	1183.957	1185.399	1187.011	1193.607	1198.379	1201.961	1206.598
17.5	1284.795	1288.601	1292.531	1296.602	1296.854	1303.393	1306.970	1311.208	1317.712	1323.847
20.0	1372.895	1372.427	1374.317	1379.592	1381.074	1380.011	1381.475	1384.511	1388.977	1395.612
22.5	1383.775	1381.624	1383.203	1385.474	1390.548	1393.867	1392.992	1393.866	1395.788	1400.531
25.0	1343.433	1345.272	1349.910	1355.145	1357.923	1359.570	1361.364	1367.238	1372.366	1376.730
27.5	1329.404	1330.790	1332.281	1337.276	1342.443	1346.772	1350.563	1353.175	1355.730	1359.347
30.0	1329.293	1332.684	1335.753	1339.210	1343.378	1347.844	1352.929	1357.020	1359.702	1362.551
32.5	1335.970	1339.471	1344.030	1348.897	1353.527	1357.343	1361.303	1367.632	1372.370	1376.244
35.0	1355.233	1359.200	1363.083	1366.183	1370.306	1376.262	1381.246	1386.143	1390.052	1394.331
37.5	1385.590	1388.408	1390.803	1393.345	1397.518	1400.788	1403.606	1407.524	1413.301	1419.464
40.0	1417.361	1416.008	1418.883	1422.206	1418.115	1417.408	1420.358	1426.581	1434.521	1437.978
42.5	1423.258	1431.175	1425.221	1418.304	1418.018	1421.863	1422.459	1414.009	1413.608	1418.247
45.0	1405.329	1386.340	1379.940	1382.918	1383.140	1366.315	1358.029	1359.047	1370.138	1386.954
47.5	1266.676	1281.178	1290.661	1270.729	1257.539	1251.041	1260.730	1261.906	1252.604	1252.754
50.0	1081.702	1089.908	1087.885	1088.414	1079.491	1073.789	988.791	960.288	1079.118	1095.472
52.5	834.298	839.654	836.811	842.701	836.067	766.201	683.334	576.406	712.401	859.891
55.0	592.391	598.888	596.815	578.786	553.799	500.188	441.190	438.812	432.074	573.021
57.5	373.859	391.722	393.086	378.017	338.378	328.790	338.771	335.840	329.529	330.387
60.0	216.216	233.064	246.660	226.590	228.933	242.670	247.432	241.942	230.980	237.732
62.5	163.898	162.828	156.813	162.301	172.787	181.973	182.878	171.187	177.248	191.472
65.0	125.112	127.769	126.809	129.792	134.439	142.415	145.879	146.687	149.588	154.308
67.5	103.036	102.397	104.200	107.451	110.426	113.228	118.700	124.774	126.312	128.578

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF1-L35-750-WF-XX-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

<b>70.0</b>	86.670	86.151	86.370	87.223	89.556	91.550	94.260	98.831	104.064	106.327
<b>72.5</b>	70.688	70.009	69.806	70.209	70.731	70.247	71.672	75.177	80.342	84.058
<b>75.0</b>	53.945	53.552	53.160	53.045	52.847	52.437	51.897	51.206	55.685	60.732
<b>77.5</b>	37.017	36.855	36.675	36.521	36.231	35.556	35.156	34.523	35.404	38.050
<b>80.0</b>	20.466	20.584	20.672	21.295	22.079	22.145	21.299	19.829	21.460	22.804
<b>82.5</b>	12.945	11.783	10.344	9.737	9.474	10.463	11.125	11.371	11.582	11.372
<b>85.0</b>	6.654	6.356	5.862	5.829	5.826	5.746	5.564	5.245	4.739	4.716
<b>87.5</b>	1.801	1.901	2.017	2.153	2.317	2.552	2.738	2.851	2.860	2.721
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Angles**      **Horizontal Angles**

	<u><b>75.0</b></u>	<u><b>77.5</b></u>	<u><b>80.0</b></u>	<u><b>82.5</b></u>	<u><b>85.0</b></u>	<u><b>87.5</b></u>	<u><b>90.0</b></u>	<u><b>92.5</b></u>	<u><b>95.0</b></u>	<u><b>97.5</b></u>
<b>0.0</b>	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385
<b>2.5</b>	938.524	938.800	939.072	939.341	939.607	939.867	940.123	940.562	940.993	941.414
<b>5.0</b>	946.488	947.102	947.600	948.255	948.869	949.441	949.970	950.961	951.906	952.803
<b>7.5</b>	970.694	972.143	973.333	974.325	976.326	978.050	979.512	980.912	982.059	983.024
<b>10.0</b>	1022.871	1025.813	1028.149	1029.889	1031.387	1033.241	1034.541	1035.798	1036.526	1038.364
<b>12.5</b>	1103.816	1106.273	1109.524	1111.916	1113.444	1114.887	1115.636	1117.454	1119.035	1122.412
<b>15.0</b>	1211.404	1214.972	1218.521	1221.856	1223.757	1225.776	1228.010	1230.419	1233.012	1235.780
<b>17.5</b>	1330.261	1333.100	1337.885	1341.898	1345.487	1348.348	1350.811	1351.647	1354.606	1357.648
<b>20.0</b>	1402.511	1409.885	1412.661	1416.124	1420.610	1424.702	1426.886	1427.180	1431.238	1435.768
<b>22.5</b>	1405.886	1413.433	1419.615	1426.332	1430.127	1434.136	1436.540	1438.835	1441.024	1443.183
<b>25.0</b>	1380.805	1385.735	1390.031	1393.317	1395.645	1397.494	1399.854	1400.858	1403.656	1407.207
<b>27.5</b>	1363.901	1369.003	1374.570	1379.657	1383.749	1385.784	1388.545	1389.342	1392.617	1395.731
<b>30.0</b>	1365.654	1370.465	1375.479	1380.808	1386.134	1388.346	1391.359	1393.275	1397.672	1401.912
<b>32.5</b>	1380.272	1384.840	1389.718	1394.925	1399.956	1402.636	1405.840	1409.702	1414.726	1420.545
<b>35.0</b>	1400.054	1406.094	1412.918	1420.289	1426.743	1430.804	1434.480	1439.542	1443.832	1448.851
<b>37.5</b>	1426.506	1434.568	1442.934	1450.897	1457.962	1462.743	1466.661	1472.870	1476.684	1480.883
<b>40.0</b>	1438.720	1442.627	1449.001	1455.827	1461.873	1467.000	1471.295	1477.247	1481.991	1486.378
<b>42.5</b>	1424.502	1433.558	1444.226	1455.474	1463.330	1470.548	1475.929	1481.163	1484.562	1485.556
<b>45.0</b>	1382.110	1378.290	1380.088	1385.539	1392.307	1397.899	1401.785	1406.358	1412.219	1416.344
<b>47.5</b>	1260.011	1270.974	1284.278	1297.085	1312.469	1323.405	1327.641	1329.480	1331.480	1327.974
<b>50.0</b>	1109.455	1096.369	1080.173	1064.193	1053.938	1049.196	1044.195	1054.567	1070.795	1090.382
<b>52.5</b>	853.466	835.214	813.999	793.198	778.035	770.095	760.748	774.597	791.228	812.591
<b>55.0</b>	603.569	582.205	552.039	524.407	504.273	491.602	477.302	494.641	511.737	537.458
<b>57.5</b>	352.913	370.061	382.801	390.569	396.935	400.963	394.469	403.526	403.405	400.660
<b>60.0</b>	256.971	290.075	307.900	312.005	315.323	316.744	311.637	318.704	320.269	320.571
<b>62.5</b>	205.735	217.877	237.902	236.879	234.777	232.999	228.804	234.142	238.064	243.076
<b>65.0</b>	163.004	169.187	173.030	166.423	156.104	149.452	145.971	149.905	158.372	169.696
<b>67.5</b>	130.697	130.368	127.777	125.344	123.805	124.221	123.960	125.116	126.685	127.349
<b>70.0</b>	107.268	105.913	105.919	104.253	102.241	102.168	101.948	103.262	105.313	105.602
<b>72.5</b>	85.440	85.136	83.108	83.365	81.956	80.833	79.937	81.181	82.693	83.356
<b>75.0</b>	63.015	63.991	63.045	61.622	61.097	59.653	57.925	59.658	61.281	61.934
<b>77.5</b>	41.364	42.430	42.639	41.309	44.101	45.260	44.023	45.378	44.101	42.698
<b>80.0</b>	23.477	23.980	25.026	29.065	30.248	30.586	30.121	31.265	30.576	29.065
<b>82.5</b>	11.648	12.324	14.214	16.111	17.888	17.431	16.219	17.431	17.888	16.111
<b>85.0</b>	4.659	5.061	6.171	7.453	7.376	4.967	2.317	5.006	7.376	6.633
<b>87.5</b>	2.360	2.317	2.317	2.787	2.678	1.638	1.159	1.638	2.656	2.787
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Angles**      **Horizontal Angles**

	<u><b>100.0</b></u>	<u><b>102.5</b></u>	<u><b>105.0</b></u>	<u><b>107.5</b></u>	<u><b>110.0</b></u>	<u><b>112.5</b></u>	<u><b>115.0</b></u>	<u><b>117.5</b></u>	<u><b>120.0</b></u>	<u><b>122.5</b></u>
<b>0.0</b>	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385
<b>2.5</b>	941.821	942.212	942.585	942.938	943.267	943.736	943.899	944.241	944.562	944.863

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF1-L35-750-WF-XX-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

<b>5.0</b>	953.650	954.539	955.505	956.398	957.214	957.949	958.598	959.157	959.625	959.997
<b>7.5</b>	984.376	985.551	986.429	987.000	986.427	987.704	989.087	990.736	992.106	993.192
<b>10.0</b>	1040.232	1041.497	1042.143	1042.371	1044.240	1045.337	1043.972	1046.580	1047.748	1050.965
<b>12.5</b>	1124.839	1126.289	1128.713	1131.826	1133.846	1134.751	1137.320	1137.348	1142.589	1144.332
<b>15.0</b>	1237.218	1239.876	1243.774	1246.225	1248.573	1251.890	1254.073	1255.357	1257.652	1260.367
<b>17.5</b>	1360.358	1363.378	1368.588	1370.681	1373.085	1374.755	1377.719	1381.302	1383.249	1386.963
<b>20.0</b>	1442.373	1450.482	1451.668	1452.001	1453.081	1454.850	1458.976	1462.522	1467.924	1471.872
<b>22.5</b>	1445.032	1447.818	1451.338	1455.605	1457.774	1462.397	1464.536	1468.539	1470.206	1470.560
<b>25.0</b>	1411.404	1416.941	1423.310	1426.372	1428.164	1426.956	1424.267	1427.254	1430.928	1432.892
<b>27.5</b>	1398.728	1402.543	1404.968	1406.018	1406.240	1408.416	1411.900	1413.571	1413.637	1412.852
<b>30.0</b>	1406.399	1410.819	1413.585	1416.626	1418.511	1419.125	1420.230	1421.840	1421.352	1421.782
<b>32.5</b>	1427.157	1432.215	1435.314	1436.906	1436.868	1436.176	1435.608	1436.325	1437.719	1438.778
<b>35.0</b>	1454.633	1457.420	1458.757	1459.648	1459.815	1458.551	1459.205	1460.354	1461.167	1462.349
<b>37.5</b>	1483.867	1484.533	1483.661	1483.838	1481.718	1481.344	1484.623	1489.264	1490.727	1492.370
<b>40.0</b>	1489.586	1491.559	1494.886	1500.171	1501.276	1498.933	1500.330	1503.395	1509.860	1516.254
<b>42.5</b>	1484.644	1482.178	1479.026	1476.322	1476.326	1483.582	1498.169	1502.201	1499.219	1501.054
<b>45.0</b>	1419.193	1423.897	1431.407	1440.201	1428.160	1422.490	1426.182	1434.665	1451.215	1451.588
<b>47.5</b>	1319.158	1310.709	1303.267	1300.054	1304.772	1318.177	1317.350	1307.736	1313.924	1323.901
<b>50.0</b>	1109.158	1129.811	1145.885	1137.006	1126.768	994.503	1025.413	1118.044	1124.600	1130.061
<b>52.5</b>	836.629	861.194	882.966	900.598	735.047	582.000	702.188	794.094	865.734	880.159
<b>55.0</b>	567.582	600.272	631.812	610.040	438.723	446.846	450.638	516.862	577.743	608.514
<b>57.5</b>	393.312	381.251	396.727	346.149	340.851	345.680	349.011	340.941	352.723	389.868
<b>60.0</b>	316.218	308.355	282.355	251.692	241.873	249.903	256.213	250.428	232.509	226.537
<b>62.5</b>	244.044	241.313	215.406	200.725	183.048	176.428	186.157	181.337	169.478	157.189
<b>65.0</b>	178.500	175.481	169.655	158.132	153.072	147.631	141.917	136.443	126.756	123.548
<b>67.5</b>	127.777	132.531	132.756	130.323	126.712	121.591	112.077	104.522	104.384	103.876
<b>70.0</b>	105.912	107.223	107.268	106.436	102.011	92.980	88.014	86.709	86.428	85.837
<b>72.5</b>	85.321	85.136	85.440	83.046	75.248	71.212	69.127	68.728	69.213	69.199
<b>75.0</b>	62.995	63.991	62.165	57.410	53.794	50.782	51.601	52.166	52.519	52.718
<b>77.5</b>	42.639	41.992	39.505	36.817	35.519	35.528	36.210	36.564	37.046	37.191
<b>80.0</b>	25.026	22.802	22.016	22.733	22.617	22.034	23.296	23.898	23.732	22.963
<b>82.5</b>	12.982	10.929	11.595	12.298	13.043	13.376	13.387	12.707	11.734	11.768
<b>85.0</b>	5.922	5.061	4.843	5.453	5.950	6.709	7.115	7.073	6.967	6.814
<b>87.5</b>	2.317	2.317	2.381	2.923	3.131	3.117	2.946	2.645	2.313	2.153
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Angles**      **Horizontal Angles**

	<b><u>125.0</u></b>	<b><u>127.5</u></b>	<b><u>130.0</u></b>	<b><u>132.5</u></b>	<b><u>135.0</u></b>	<b><u>137.5</u></b>	<b><u>140.0</u></b>	<b><u>142.5</u></b>	<b><u>145.0</u></b>	<b><u>147.5</u></b>
<b>0.0</b>	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385
<b>2.5</b>	945.143	945.401	945.637	945.850	946.041	946.208	946.351	946.470	946.565	946.635
<b>5.0</b>	960.271	960.672	961.534	962.265	962.865	963.331	963.663	963.599	964.394	964.956
<b>7.5</b>	993.986	994.485	994.685	995.256	996.768	997.126	999.561	1001.071	1002.126	1002.731
<b>10.0</b>	1053.411	1055.072	1055.938	1056.002	1054.647	1058.328	1060.164	1060.917	1060.604	1059.249
<b>12.5</b>	1146.023	1147.503	1147.747	1146.753	1148.857	1148.191	1149.387	1149.412	1148.275	1147.558
<b>15.0</b>	1261.939	1263.781	1265.981	1267.195	1267.194	1266.377	1265.673	1261.655	1264.299	1263.549
<b>17.5</b>	1387.548	1388.068	1388.163	1389.578	1391.420	1392.966	1393.268	1392.629	1392.295	1392.822
<b>20.0</b>	1471.078	1474.611	1480.694	1478.349	1477.594	1481.700	1478.245	1475.424	1476.797	1477.854
<b>22.5</b>	1472.951	1475.808	1482.880	1479.895	1480.483	1485.274	1480.124	1478.311	1477.951	1479.124
<b>25.0</b>	1431.866	1431.001	1432.080	1435.211	1435.635	1434.156	1434.619	1437.620	1439.710	1439.257
<b>27.5</b>	1413.932	1416.782	1418.104	1416.759	1418.076	1419.775	1419.358	1418.004	1418.628	1419.960
<b>30.0</b>	1423.457	1424.827	1425.297	1425.809	1425.592	1425.146	1425.124	1424.699	1423.792	1424.215
<b>32.5</b>	1439.210	1439.899	1440.630	1439.809	1438.061	1437.587	1437.925	1438.595	1439.858	1440.623
<b>35.0</b>	1464.145	1464.159	1462.405	1460.040	1460.359	1460.028	1460.116	1459.189	1462.619	1468.379
<b>37.5</b>	1491.694	1492.476	1491.464	1490.702	1489.995	1489.533	1490.463	1493.343	1497.000	1502.599
<b>40.0</b>	1514.710	1513.145	1517.598	1516.698	1512.485	1515.282	1518.847	1518.519	1520.844	1526.683

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF1-L35-750-WF-XX-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

42.5	1509.220	1516.378	1506.811	1508.772	1516.546	1507.181	1510.220	1515.701	1528.478	1530.095
45.0	1447.428	1450.363	1466.224	1446.740	1443.412	1454.758	1466.602	1440.734	1410.416	1391.107
47.5	1338.685	1327.514	1312.787	1318.509	1318.892	1291.683	1267.842	1248.397	1239.782	1226.960
50.0	1127.055	1127.182	1115.734	1092.668	1070.570	1048.293	1039.623	1004.814	982.749	958.150
52.5	872.456	868.825	854.056	827.879	807.420	782.491	738.583	683.756	676.691	690.776
55.0	620.590	612.536	593.761	572.113	548.542	522.015	471.768	456.869	472.809	506.454
57.5	399.244	395.524	378.817	344.052	328.187	350.644	360.310	343.990	330.031	341.288
60.0	246.085	232.808	218.260	231.634	238.003	247.270	246.797	233.212	216.415	221.347
62.5	151.319	160.545	163.673	169.446	169.270	163.094	166.185	172.342	178.837	185.713
65.0	122.865	126.191	124.850	122.303	128.283	132.900	138.057	142.672	147.784	152.916
67.5	102.906	102.384	102.786	103.128	106.408	109.170	111.850	114.861	118.063	121.931
70.0	85.722	86.024	86.300	86.366	86.989	87.603	87.401	89.297	91.969	95.871
72.5	69.352	69.887	70.456	70.102	69.376	68.748	68.299	69.746	71.330	73.521
75.0	53.009	53.649	53.962	52.953	51.766	50.966	50.433	50.814	51.559	52.058
77.5	37.345	37.359	37.184	36.117	34.518	33.358	32.732	32.406	32.253	32.448
80.0	22.206	21.644	20.906	20.583	20.406	20.616	21.607	22.598	23.483	23.980
82.5	12.011	12.754	13.335	13.637	13.367	13.317	14.215	15.051	15.413	15.582
85.0	6.677	6.819	6.845	6.752	6.381	6.111	6.909	7.652	7.474	7.233
87.5	2.017	1.901	1.801	1.714	1.637	1.586	2.281	2.919	2.828	2.747
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Angles**      **Horizontal Angles**

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385	938.385
2.5	946.681	946.702	946.569	946.772	946.955	947.117	947.259	947.379	947.477	947.554
5.0	965.405	965.742	965.967	966.084	966.093	965.998	965.802	965.233	966.497	966.996
7.5	1002.895	1002.630	1001.949	1002.785	1002.759	1003.736	1004.432	1004.845	1004.977	1004.963
10.0	1057.045	1057.141	1057.572	1058.355	1058.408	1057.802	1059.524	1060.675	1061.265	1061.307
12.5	1146.282	1144.956	1143.787	1143.813	1144.925	1144.945	1143.892	1144.123	1144.881	1144.626
15.0	1261.660	1261.234	1262.115	1261.367	1257.330	1259.250	1258.738	1256.895	1256.674	1256.638
17.5	1391.173	1388.993	1387.236	1386.069	1384.891	1383.186	1386.926	1382.831	1380.200	1379.888
20.0	1471.817	1468.146	1465.362	1463.381	1462.457	1461.564	1460.611	1461.812	1459.477	1457.414
22.5	1481.042	1475.248	1471.556	1467.698	1465.173	1464.030	1463.616	1464.689	1466.392	1468.430
25.0	1435.845	1431.026	1433.531	1434.994	1435.097	1434.677	1433.764	1433.123	1432.725	1432.890
27.5	1420.601	1419.015	1415.335	1413.468	1414.054	1416.407	1418.269	1420.214	1421.759	1423.316
30.0	1425.540	1427.859	1428.786	1428.715	1428.658	1428.363	1429.247	1430.289	1430.713	1431.965
32.5	1440.263	1444.677	1450.530	1452.889	1454.031	1454.272	1454.841	1454.994	1454.449	1454.401
35.0	1473.096	1476.344	1480.264	1482.924	1483.737	1484.197	1484.579	1485.130	1485.483	1485.802
37.5	1505.460	1508.703	1511.168	1514.842	1517.009	1518.201	1518.754	1519.368	1520.062	1520.772
40.0	1533.519	1538.579	1542.005	1531.689	1512.763	1496.726	1481.786	1469.182	1459.681	1453.420
42.5	1502.845	1479.452	1462.267	1439.880	1422.410	1410.678	1399.152	1387.342	1379.126	1374.754
45.0	1370.237	1358.826	1360.462	1336.278	1301.127	1276.463	1258.671	1240.204	1230.019	1221.202
47.5	1191.318	1160.261	1141.761	1124.643	1103.304	1085.959	1077.196	1065.732	1063.573	1059.011
50.0	935.435	914.508	904.352	902.847	897.666	889.247	887.342	874.627	865.705	859.866
52.5	695.730	697.588	699.720	696.072	690.534	686.762	692.409	681.381	662.935	656.332
55.0	512.139	506.986	499.481	493.548	486.572	481.309	494.182	491.827	461.615	452.398
57.5	337.552	323.253	307.516	316.546	333.000	342.597	370.646	388.763	368.274	366.280
60.0	232.117	242.901	252.600	261.693	273.719	278.677	296.007	312.971	295.945	292.667
62.5	193.575	200.381	206.005	210.669	216.236	218.172	225.535	234.948	223.531	219.521
65.0	157.550	160.708	161.998	162.140	161.494	159.377	158.054	155.230	151.037	146.792
67.5	123.804	123.184	122.834	122.830	122.677	122.176	122.059	120.858	120.847	119.785
70.0	98.184	98.699	98.578	99.224	99.957	99.539	98.980	97.867	97.386	96.468
72.5	74.875	74.218	74.253	75.441	77.188	77.023	76.009	74.845	74.003	73.140
75.0	52.094	50.205	49.874	51.517	54.380	54.606	53.126	51.794	50.686	49.802
77.5	32.705	31.841	32.505	35.258	39.144	40.232	39.528	38.944	38.473	38.111

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF1-L35-750-WF-XX-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

<b>80.0</b>	24.050	23.439	23.576	25.294	27.865	28.621	28.165	27.692	27.311	27.018
<b>82.5</b>	15.458	15.003	14.836	15.589	16.821	17.131	16.791	16.432	16.143	15.921
<b>85.0</b>	6.910	6.541	6.230	6.066	5.934	5.687	5.406	5.166	4.634	4.634
<b>87.5</b>	2.675	2.612	2.556	2.508	2.465	2.429	2.399	2.373	2.353	2.337
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.  
Angles**

**Horizontal Angles**

	<u><b>175.0</b></u>	<u><b>177.5</b></u>	<u><b>180.0</b></u>
<b>0.0</b>	938.385	938.385	938.385
<b>2.5</b>	947.609	947.642	947.653
<b>5.0</b>	967.498	968.001	968.506
<b>7.5</b>	1006.408	1007.579	1008.474
<b>10.0</b>	1061.807	1064.057	1065.820
<b>12.5</b>	1142.890	1147.090	1150.970
<b>15.0</b>	1257.848	1258.269	1262.765
<b>17.5</b>	1378.594	1378.626	1382.322
<b>20.0</b>	1455.421	1454.024	1455.462
<b>22.5</b>	1470.239	1471.194	1468.978
<b>25.0</b>	1433.512	1434.916	1432.292
<b>27.5</b>	1424.633	1425.808	1424.955
<b>30.0</b>	1432.954	1433.933	1434.223
<b>32.5</b>	1454.817	1456.819	1457.393
<b>35.0</b>	1486.178	1488.176	1489.831
<b>37.5</b>	1520.803	1522.269	1524.586
<b>40.0</b>	1449.107	1445.033	1441.174
<b>42.5</b>	1372.258	1366.309	1357.762
<b>45.0</b>	1216.358	1210.921	1202.523
<b>47.5</b>	1056.483	1051.918	1047.284
<b>50.0</b>	856.569	854.513	853.428
<b>52.5</b>	654.700	654.765	659.573
<b>55.0</b>	452.695	452.808	465.717
<b>57.5</b>	371.231	375.296	384.043
<b>60.0</b>	295.198	297.122	302.369
<b>62.5</b>	219.417	219.074	220.694
<b>65.0</b>	141.337	140.486	139.020
<b>67.5</b>	118.884	117.744	116.429
<b>70.0</b>	95.649	94.781	93.839
<b>72.5</b>	72.409	71.793	71.248
<b>75.0</b>	48.657	48.657	48.657
<b>77.5</b>	37.821	37.125	37.072
<b>80.0</b>	26.766	25.530	25.487
<b>82.5</b>	15.727	13.935	13.902
<b>85.0</b>	4.612	2.317	2.317
<b>87.5</b>	2.323	1.160	1.159
<b>90.0</b>	0.000	0.000	0.000



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF1-L35-750-WF-XX-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	444.31	N.A.	11.90
0-30	1089.38	N.A.	29.30
0-40	1980.36	N.A.	53.20
0-60	3492.15	N.A.	93.90
0-80	3711.00	N.A.	99.70
0-90	3720.35	N.A.	100.00
10-90	3627.19	N.A.	97.50
20-40	1536.05	N.A.	41.30
20-50	2549.83	N.A.	68.50
40-70	1670.6	N.A.	44.90
60-80	218.86	N.A.	5.90
70-80	60.05	N.A.	1.60
80-90	9.34	N.A.	0.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3720.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	93.16
10-20	351.15
20-30	645.06
30-40	890.98
40-50	1013.79
50-60	498.00
60-70	158.81
70-80	60.05
80-90	9.34
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF1-L35-750-WF-XX-DIM-UNV\_.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	133	133	133	133	130	130	130	130	124	124	124	119	119	119	114	114	114	112
1	124	120	116	112	121	117	114	111	113	110	107	108	106	104	104	103	101	99
2	115	107	100	95	112	105	99	94	101	96	92	97	93	90	94	91	88	86
3	106	95	87	81	103	94	86	80	90	84	79	87	82	78	85	80	76	74
4	97	85	76	70	95	84	76	69	81	74	68	79	72	67	76	71	67	64
5	90	76	67	60	87	75	67	60	73	65	59	71	64	59	69	63	58	56
6	83	69	60	53	81	68	59	53	66	58	52	64	57	52	62	56	51	49
7	77	62	53	47	75	61	53	46	60	52	46	58	51	46	57	50	45	43
8	71	57	48	41	69	56	47	41	54	47	41	53	46	41	52	45	40	38
9	66	52	43	37	65	51	43	37	50	42	37	49	42	36	48	41	36	34
10	62	47	39	33	60	47	39	33	46	38	33	45	38	33	44	37	33	31

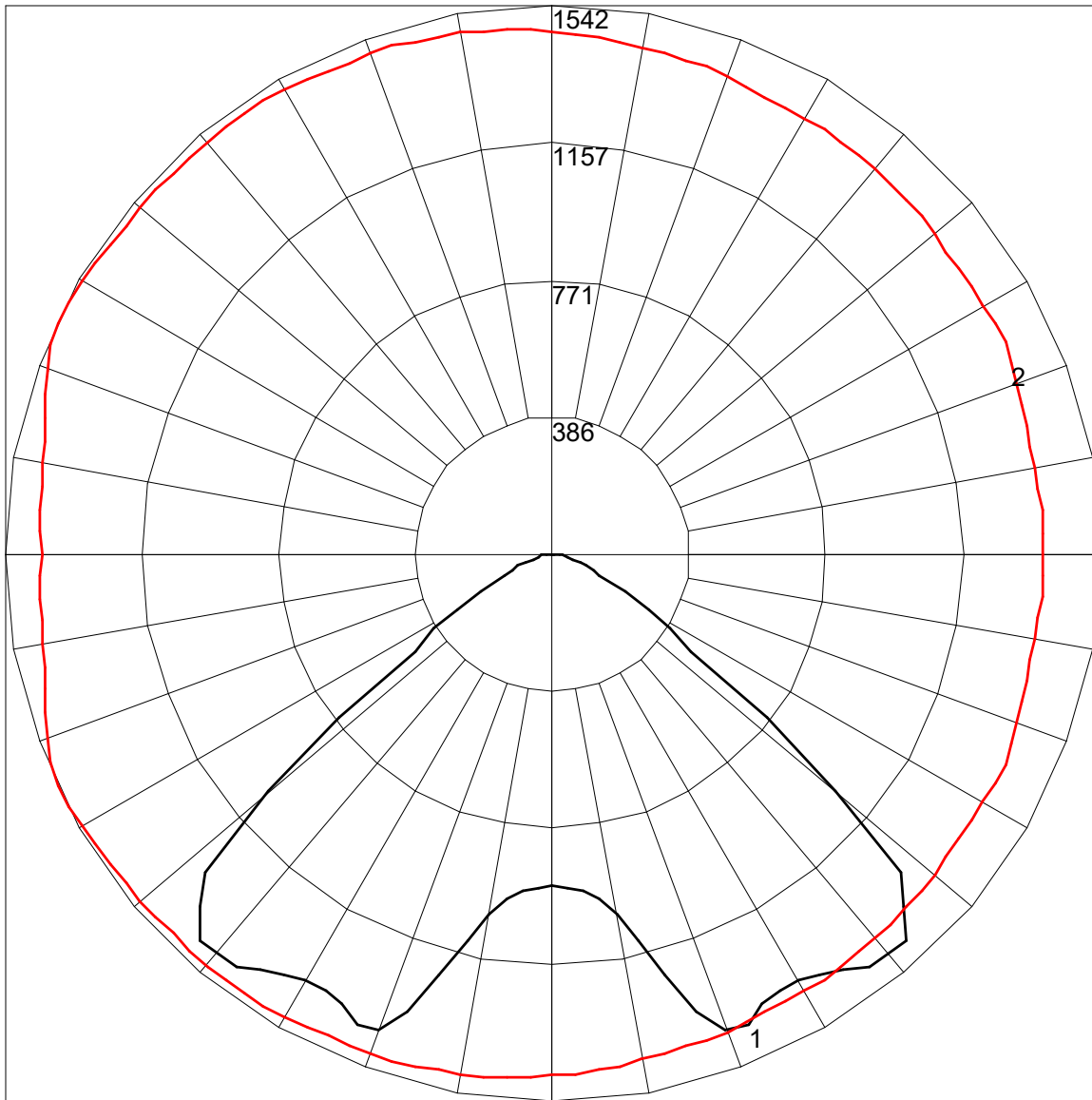
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VF1-L35-750-WF-XX-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	15.3	16.8	15.7	17.1	17.4	4.2	4.2	4.2	4.2	4.2
	3H	16.1	17.4	16.5	17.8	18.1	4.2	4.2	4.2	4.2	4.2
	4H	16.3	17.6	16.7	17.9	18.3	4.2	4.2	4.2	4.2	4.2
	6H	16.5	17.6	16.9	18.0	18.4	4.2	4.2	4.2	4.2	4.2
	8H	16.5	17.6	16.9	17.9	18.3	4.2	4.2	4.2	4.2	4.2
	12H	16.5	17.5	16.9	17.9	18.3	4.2	4.2	4.2	4.2	4.2
4H	2H	15.2	16.4	15.6	16.8	17.2	4.2	5.1	4.3	5.4	5.8
	3H	16.2	17.2	16.6	17.6	18.0	4.3	5.3	4.7	5.7	6.1
	4H	16.5	17.3	16.9	17.8	18.2	4.3	5.2	4.8	5.6	6.1
	6H	16.6	17.4	17.1	17.9	18.3	4.3	5.1	4.7	5.5	6.0
	8H	16.7	17.4	17.2	17.9	18.3	4.3	5.0	4.7	5.4	5.9
	12H	16.7	17.3	17.2	17.8	18.3	4.3	4.9	4.8	5.4	5.9
8H	4H	16.4	17.1	16.8	17.5	18.0	5.6	6.4	6.1	6.8	7.3
	6H	16.6	17.2	17.1	17.7	18.2	5.7	6.3	6.2	6.8	7.3
	8H	16.7	17.2	17.2	17.7	18.2	5.7	6.2	6.2	6.8	7.2
	12H	16.7	17.1	17.2	17.6	18.2	5.7	6.2	6.3	6.7	7.3
12H	4H	16.3	17.0	16.8	17.5	17.9	5.9	6.5	6.3	7.0	7.5
	6H	16.6	17.1	17.1	17.6	18.1	6.0	6.5	6.5	7.0	7.5
	8H	16.6	17.1	17.1	17.6	18.2	6.0	6.5	6.5	7.0	7.5

Maximum UGR = 18.4

POLAR GRAPH



Maximum Candela = 1542.005 Located At Horizontal Angle = 155, Vertical Angle = 40  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Horizontal Cone Through Vertical Angle (40) (Through Max. Cd.)