



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-750-T3-XXX-CGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL009827
[TESTLAB] ATAL-LABS
[ISSUEDATE] 2024-01-31
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPX-L30-750-T3-xxx-CGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[MORE] WITH TYPE III DISTRIBUTION AND CLEAR
[MORE] GLASS LENS
[LAMPCAT] X8-LUXEON M
[LAMP] 8 WHITE LEDS
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor
[_SEARCH_MOUNTING] Wall

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3572
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1476.259
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	1476.259
Maximum Candela Angle (<90 Degrees Vertical)	0H 35V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	459.374 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-750-T3-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	473.1	N.A.	13.2
FM - Front-Medium (30-60)	1327.9	N.A.	37.2
FH - Front-High (60-80)	684.8	N.A.	19.2
FVH - Front-Very High (80-90)	28.6	N.A.	0.8
BL - Back-Low (0-30)	300.0	N.A.	8.4
BM - Back-Medium (30-60)	527.0	N.A.	14.8
BH - Back-High (60-80)	225.6	N.A.	6.3
BVH - Back-Very High (80-90)	5.1	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	3572.1	N.A.	100.0
BUG Rating	B1-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	916.942	916.942	916.942	916.942	916.942	916.942	916.942	916.942	916.942	916.942
2.5	946.443	949.454	954.270	950.658	950.056	945.239	940.423	933.800	932.596	924.769
5.0	972.934	976.546	980.761	978.353	977.751	974.138	969.322	963.903	962.097	948.851
7.5	994.006	997.619	1000.027	998.221	997.017	998.221	995.812	993.404	993.404	978.353
10.0	1030.732	1033.742	1034.947	1031.936	1028.324	1027.722	1023.507	1021.099	1024.711	1009.058
12.5	1069.866	1071.672	1071.672	1071.672	1071.070	1071.070	1061.437	1051.804	1054.213	1037.355
15.0	1077.693	1079.499	1080.101	1086.122	1096.357	1108.398	1103.582	1088.530	1081.907	1060.233
17.5	1081.907	1081.305	1081.907	1084.316	1096.357	1120.439	1131.879	1124.654	1106.592	1078.897
20.0	1135.491	1135.491	1135.491	1121.042	1110.806	1118.031	1139.103	1150.543	1130.072	1095.153
22.5	1243.862	1237.842	1232.423	1196.299	1157.767	1130.675	1131.879	1160.778	1148.736	1112.613
25.0	1344.407	1338.386	1329.355	1274.568	1214.963	1162.584	1130.675	1155.359	1163.186	1124.052
27.5	1409.430	1406.419	1398.593	1332.968	1260.720	1201.116	1146.930	1146.930	1171.615	1133.083
30.0	1455.789	1450.972	1440.135	1370.898	1294.436	1234.831	1173.421	1149.338	1177.033	1139.705
32.5	1475.055	1469.034	1453.982	1393.776	1326.345	1266.139	1202.320	1162.584	1178.238	1145.124
35.0	1476.259	1470.840	1456.993	1405.215	1352.836	1299.252	1231.219	1178.840	1181.850	1155.961
37.5	1455.187	1453.982	1440.737	1405.215	1381.133	1333.570	1258.914	1184.860	1186.666	1166.196
40.0	1370.898	1362.469	1353.438	1365.479	1391.368	1372.102	1287.211	1187.871	1192.085	1184.860
42.5	1171.013	1160.176	1154.757	1223.392	1365.479	1413.644	1320.926	1193.289	1192.687	1211.953
45.0	945.239	933.800	931.994	1000.629	1251.689	1435.921	1352.234	1202.320	1195.095	1237.842
47.5	791.713	784.488	784.488	838.674	1026.518	1421.471	1384.745	1212.555	1196.901	1264.333
50.0	705.016	698.995	698.995	748.967	900.084	1350.428	1421.471	1222.188	1202.922	1286.007
52.5	632.768	627.350	628.554	677.321	851.317	1165.594	1427.492	1248.077	1226.403	1307.681
55.0	571.358	567.746	571.960	618.319	817.000	1078.295	1368.489	1302.263	1248.679	1334.172
57.5	531.020	529.816	531.622	575.572	785.090	1026.518	1223.392	1360.663	1275.772	1338.386
60.0	476.834	474.426	472.017	512.958	733.915	954.872	1090.336	1384.745	1278.782	1326.947
62.5	384.116	381.106	378.698	419.638	639.391	855.532	960.291	1346.815	1251.689	1313.100
65.0	261.295	259.489	257.081	307.654	515.366	727.894	815.796	1251.087	1235.434	1331.764
67.5	141.485	142.087	147.505	189.048	381.708	597.849	687.556	1079.499	1250.485	1352.234
70.0	102.351	102.953	105.361	142.087	282.970	465.997	564.133	915.738	1291.425	1362.469
72.5	78.268	78.268	81.279	108.371	217.947	350.401	438.302	757.395	1265.537	1287.813
75.0	60.206	59.604	61.410	80.676	164.363	242.631	314.879	563.531	1127.664	1090.938
77.5	42.144	41.542	43.349	54.788	116.800	160.149	211.324	364.850	898.278	779.672
80.0	25.287	24.685	25.889	32.511	73.452	101.749	122.821	242.631	459.374	364.850
82.5	13.245	12.643	13.245	15.654	37.328	55.992	58.400	158.945	165.567	133.658
85.0	6.021	5.419	6.021	7.225	15.052	25.287	24.685	70.441	51.777	51.777
87.5	1.806	1.806	1.806	2.408	4.214	6.021	7.827	15.654	13.847	15.654
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>85.0</u>	<u>90.0</u>	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>
0.0	916.942	916.942	916.942	916.942	916.942	916.942	916.942	916.942	916.942	916.942
2.5	918.748	915.136	912.728	907.911	905.503	897.676	893.462	891.053	889.247	885.635
5.0	938.014	930.790	924.769	911.524	900.084	879.614	865.767	853.726	844.695	836.868
7.5	964.505	954.270	944.035	921.157	900.084	869.981	846.501	827.235	811.581	801.346
10.0	990.996	978.353	964.505	931.994	902.493	866.369	836.868	813.989	794.723	782.080
12.5	1013.272	997.017	980.761	939.821	904.901	864.563	835.664	807.367	779.070	753.783
15.0	1031.334	1012.068	989.792	942.229	901.288	863.359	832.653	788.703	742.344	700.801
17.5	1045.182	1021.701	994.006	938.014	893.462	857.338	814.591	748.364	678.525	606.278
20.0	1054.815	1027.120	994.006	928.983	883.227	843.490	779.070	680.331	558.113	431.077
22.5	1063.243	1031.334	995.210	921.759	875.400	818.204	724.282	564.735	384.718	307.052
25.0	1073.479	1037.355	996.414	918.146	865.165	782.682	638.187	400.372	309.460	299.225
27.5	1079.499	1040.967	997.017	916.340	853.726	735.721	518.376	325.716	313.073	328.124

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CANDELA TABULATION - (Cont.)

30.0	1083.112	1042.171	992.802	911.524	836.868	673.709	392.545	320.298	340.768	361.840
32.5	1084.918	1039.161	984.975	903.095	813.387	593.634	345.584	337.155	367.861	385.922
35.0	1082.509	1031.936	973.536	894.064	783.886	510.550	344.982	351.003	374.483	374.483
37.5	1083.714	1025.916	962.097	880.818	745.354	426.863	341.370	349.799	353.411	355.819
40.0	1089.734	1025.313	954.872	863.961	693.577	358.830	326.920	328.124	332.339	360.034
42.5	1099.969	1027.120	949.454	842.286	635.177	307.052	292.603	309.460	348.595	433.485
45.0	1115.623	1032.538	947.647	822.418	564.735	261.295	256.479	292.603	411.811	476.232
47.5	1136.695	1046.386	954.872	807.367	501.519	215.539	220.957	341.972	437.700	491.284
50.0	1163.186	1062.039	963.301	795.927	453.354	179.415	200.487	366.656	390.137	363.044
52.5	1182.452	1075.285	972.332	792.917	431.679	157.741	207.110	273.337	205.906	187.844
55.0	1217.974	1101.776	993.404	798.938	421.444	142.087	160.751	157.138	138.475	133.056
57.5	1263.730	1133.083	1007.854	792.315	396.760	131.852	121.617	122.821	119.811	113.188
60.0	1272.159	1150.543	1025.313	777.263	364.850	121.617	106.565	105.963	107.167	104.157
62.5	1289.017	1150.543	1018.691	735.119	335.951	110.780	96.932	91.514	95.728	92.116
65.0	1328.753	1171.013	1016.885	699.597	302.236	99.340	84.891	78.268	72.850	77.064
67.5	1388.358	1208.943	1047.590	711.037	272.735	89.105	66.829	53.584	45.155	40.940
70.0	1414.246	1219.178	1054.815	732.109	245.040	75.860	45.155	25.287	11.439	2.408
72.5	1327.549	1133.083	975.342	691.168	212.528	56.594	22.878	4.817	1.806	1.806
75.0	1056.019	897.074	767.630	584.001	152.322	33.113	4.214	1.806	1.204	1.204
77.5	604.471	510.550	429.271	409.403	74.054	9.633	1.204	1.204	0.602	0.602
80.0	222.763	186.640	142.087	168.578	24.083	1.806	0.602	0.602	0.602	0.602
82.5	80.676	65.625	52.379	45.155	6.623	0.602	0.602	0.602	0.602	0.000
85.0	30.705	26.491	21.674	12.643	1.204	0.602	0.602	0.602	0.602	0.602
87.5	9.031	8.429	7.225	1.806	0.602	0.602	0.602	0.602	0.602	0.602
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

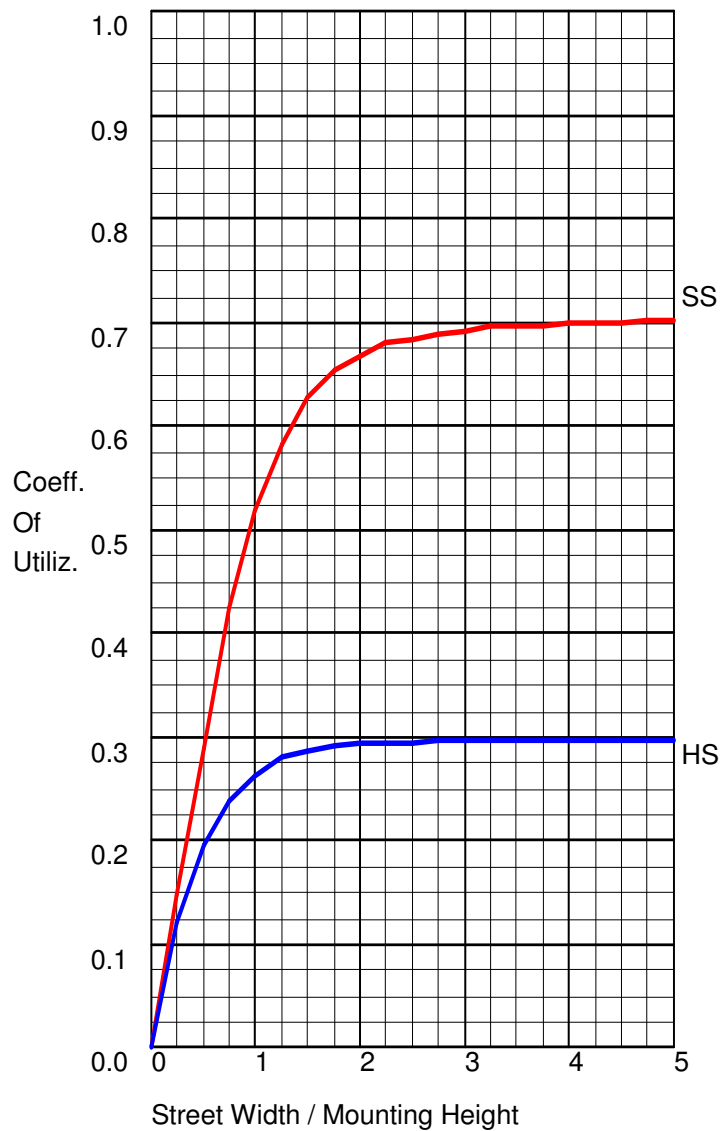
Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	916.942	916.942
2.5	889.849	888.645
5.0	839.276	839.276
7.5	800.744	806.163
10.0	779.070	785.692
12.5	744.150	751.977
15.0	682.740	682.740
17.5	571.358	562.327
20.0	380.504	367.861
22.5	292.603	293.205
25.0	301.032	301.032
27.5	334.145	334.145
30.0	368.463	368.463
32.5	389.535	389.535
35.0	373.279	372.075
37.5	357.625	357.023
40.0	399.770	398.566
42.5	464.793	464.191
45.0	501.519	500.917
47.5	505.733	509.947
50.0	332.339	343.176
52.5	185.435	190.854
55.0	130.648	132.454
57.5	110.178	110.178
60.0	102.351	101.749
62.5	96.932	97.534
65.0	90.912	93.320

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-750-T3-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	26.491	18.062
70.0	1.806	1.806
72.5	1.806	1.806
75.0	1.204	1.204
77.5	0.602	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	0.602
87.5	0.602	0.000
90.0	0.000	0.000

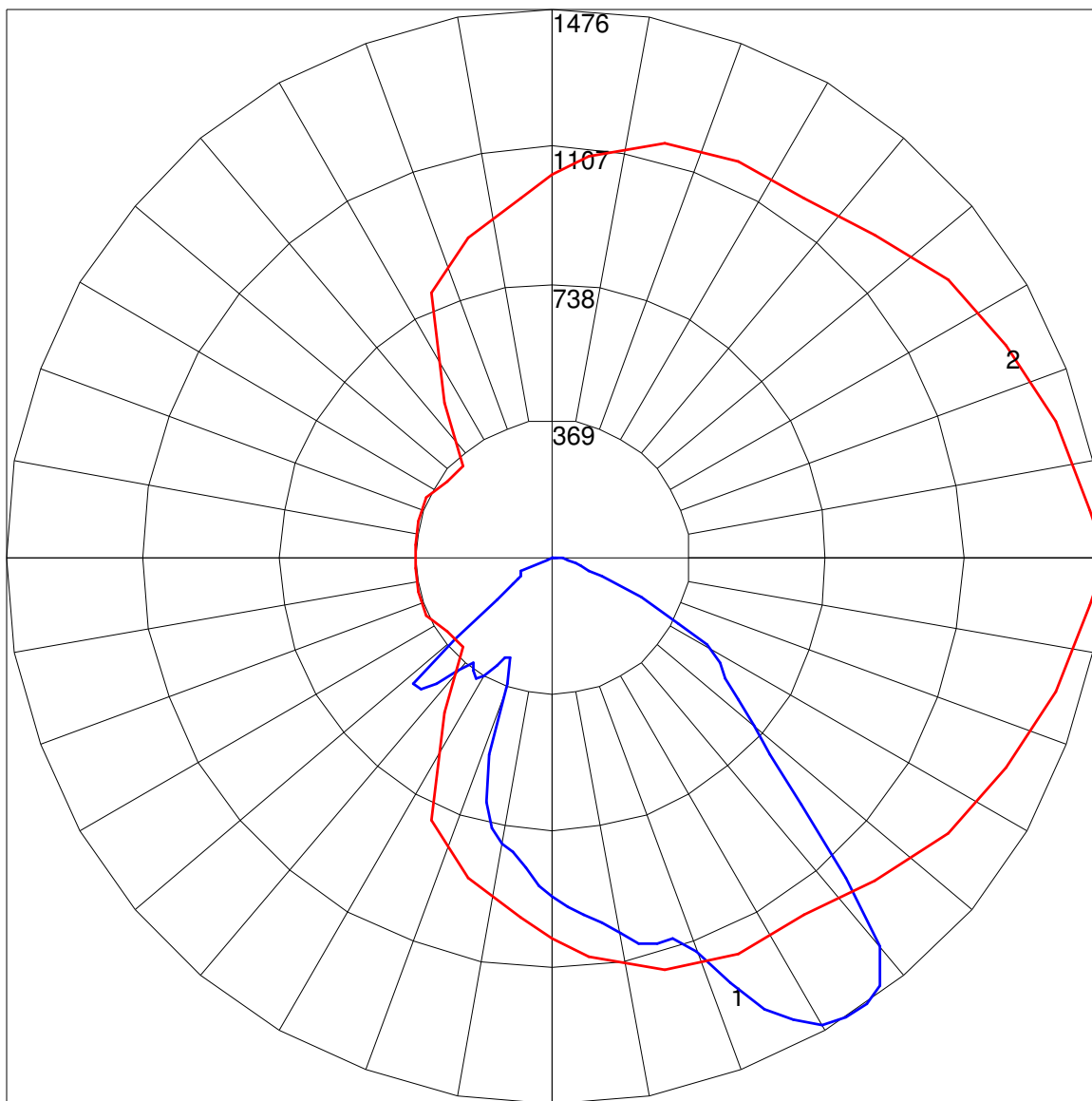
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

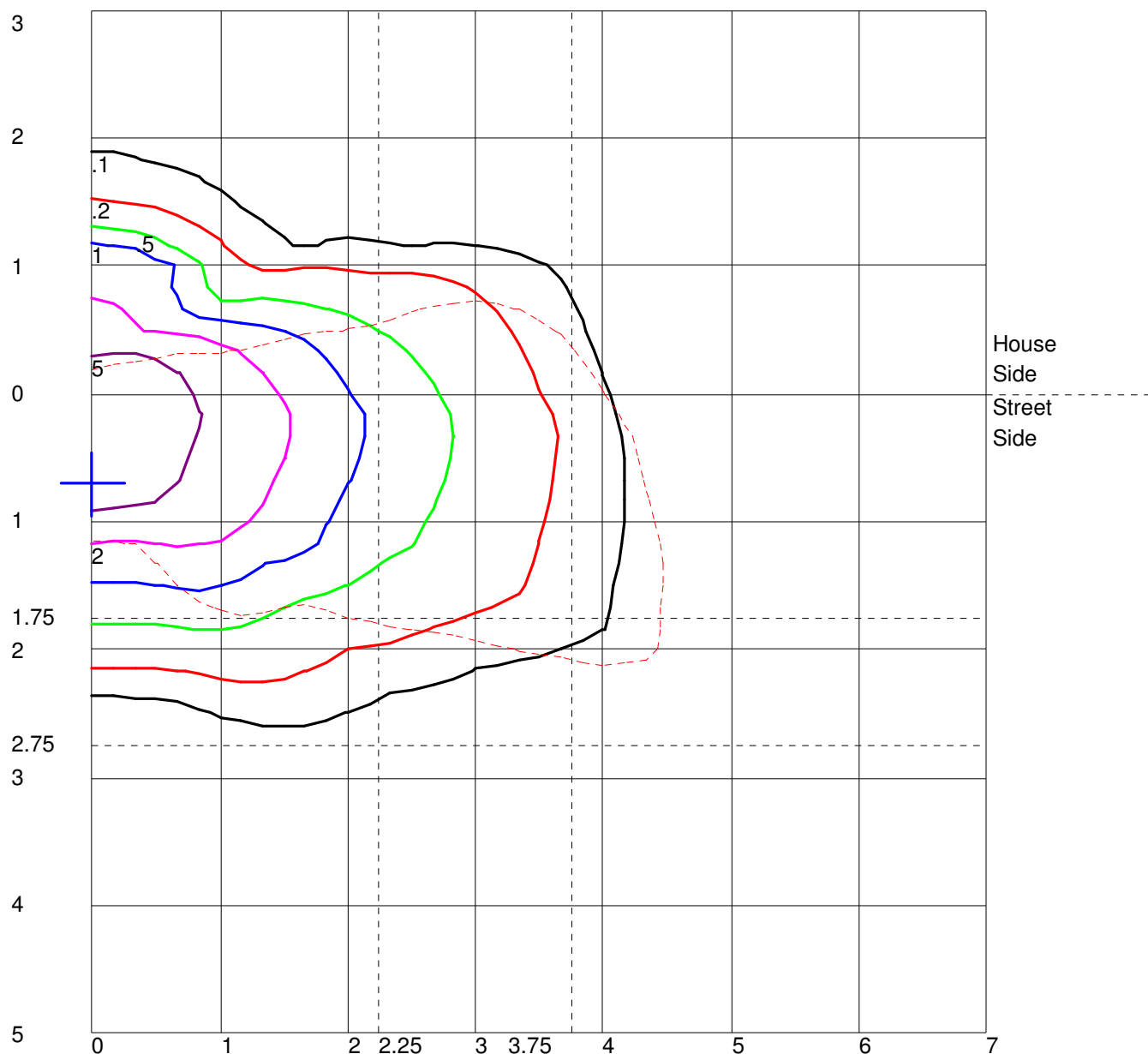
	Lumens	Percent Of Luminaire
Downward Street Side	2514.3	70.4
Downward House Side	1057.8	29.6
Downward Total	3572.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3572.1	100.0

POLAR GRAPH



Maximum Candela = 1476.259 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



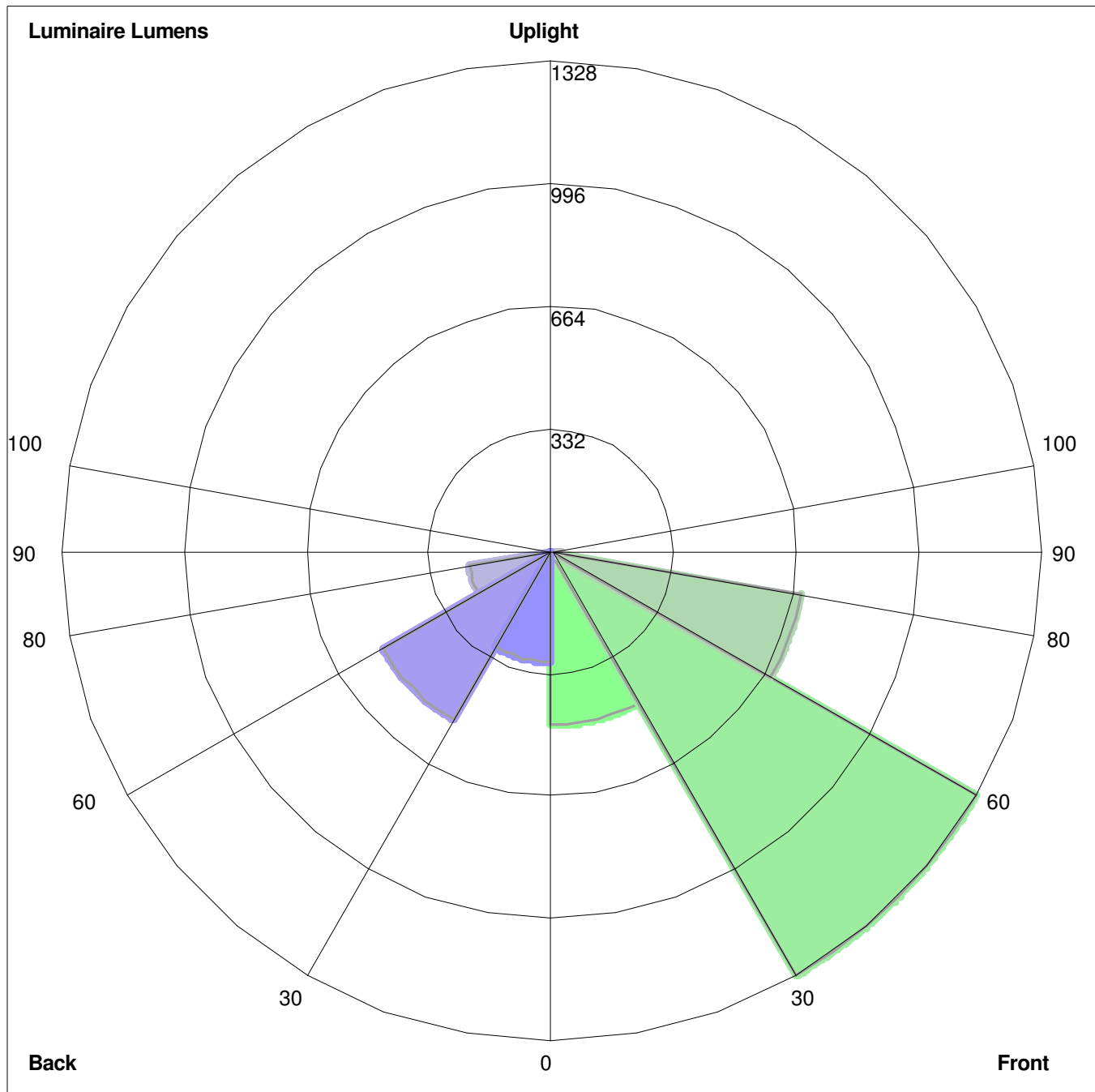
Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

1/2 Maximum Candela Trace Shown As Dashed Curve

(+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=473.1, Medium=1327.9, High=684.8, Very High=28.6
Back: Low=300.0, Medium=527.0, High=225.6, Very High=5.1
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1