



IES ROAD REPORT

PHOTOMETRIC FILENAME : VA1-L110-750-T4-F-S-XXX-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL011762
[TESTLAB] ATA-LABS
[ISSUE DATE] 2023-01-18
[MANUFAC] WILLIAMS OUTDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] VA1-L110-750-T4-F-S-xxx-DIM-UNV_
[LUMINAIRE] VA1 LED AREA LIGHT FIXTURE WITH TYPE IV
[MORE] OPTICS AND CLEAR LENS
[LAMP] LED
[BALLASTCAT] X1-EUD-200S105DT
[BALLAST] (1) INVENTRONICS ELECTRONIC DRIVER
[_SEARCH_ SOURCETYPE] LED
[_SEARCH_ APPLICATION] Outdoor, Architectural, Area, Parking, Site
[_SEARCH_ MOUNTING] Pole

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11424
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	88
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10616.746
Maximum Candela Angle	42.5H 72.5V
Maximum Candela (<90 Degrees Vertical)	10616.746
Maximum Candela Angle (<90 Degrees Vertical)	42.5H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	781.569 (6.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VA1-L110-750-T4-F-S-XXX-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	902.5	N.A.	7.9
FM - Front-Medium (30-60)	3494.6	N.A.	30.6
FH - Front-High (60-80)	3994.5	N.A.	35.0
FVH - Front-Very High (80-90)	71.8	N.A.	0.6
BL - Back-Low (0-30)	608.1	N.A.	5.3
BM - Back-Medium (30-60)	1442.7	N.A.	12.6
BH - Back-High (60-80)	857.5	N.A.	7.5
BVH - Back-Very High (80-90)	52.1	N.A.	0.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	11423.8	N.A.	100.0
BUG Rating	B2-U0-G2		

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CANDELA TABULATION - (Cont.)

30.0	1920.707	1719.105	1519.236	1299.727	1284.130	1248.893	1218.277	1218.277	1228.097	1271.422
32.5	1969.230	1742.211	1520.391	1288.751	1274.888	1215.967	1179.574	1168.021	1181.885	1241.383
35.0	2035.083	1775.716	1529.634	1284.708	1262.757	1188.239	1143.760	1123.542	1163.978	1225.209
37.5	2113.645	1821.928	1549.274	1289.907	1240.228	1161.667	1100.435	1102.168	1149.536	1218.277
40.0	2210.691	1892.402	1586.244	1306.659	1217.122	1137.983	1066.931	1088.882	1135.672	1217.700
42.5	2336.620	1988.871	1642.277	1325.721	1198.637	1118.920	1051.335	1072.130	1122.386	1212.501
45.0	2490.854	2117.688	1723.149	1332.653	1194.016	1098.702	1045.558	1054.223	1108.522	1202.680
47.5	2667.039	2275.388	1831.748	1337.852	1192.283	1080.795	1032.850	1034.582	1090.615	1137.983
50.0	2872.685	2456.195	1952.478	1356.915	1191.127	1064.043	1012.054	1013.209	1018.986	1113.144
52.5	3098.549	2645.088	2081.873	1404.860	1192.860	1056.533	992.414	987.215	971.040	1094.081
55.0	3370.047	2966.265	2313.514	1445.296	1195.749	1068.664	992.991	949.089	952.555	1062.310
57.5	3811.376	3435.900	2530.712	1481.688	1232.719	1112.566	1035.738	962.953	971.040	1038.626
60.0	4240.575	3651.366	2705.742	1566.604	1274.888	1132.784	1070.975	1001.078	1035.738	1053.067
62.5	4214.581	3664.074	2895.214	1615.705	1264.490	1111.411	1040.359	969.307	1081.373	1031.694
65.0	3912.466	3526.014	2748.489	1506.528	1244.272	1103.901	990.103	872.839	1000.501	950.245
67.5	2906.767	2541.110	1808.064	1099.280	1107.367	1077.907	945.623	782.724	887.280	893.634
70.0	1441.253	1132.784	790.234	611.160	782.147	972.196	915.008	703.008	777.525	809.297
72.5	606.539	497.362	418.223	392.229	463.858	761.351	866.484	610.005	648.130	716.294
75.0	374.321	329.264	288.251	284.207	308.468	495.629	745.177	526.245	518.158	589.209
77.5	254.169	222.398	197.558	199.869	218.932	310.779	561.482	450.572	407.248	436.131
80.0	166.943	144.414	128.240	135.172	149.613	194.093	355.836	324.643	310.201	324.065
82.5	95.891	80.872	72.207	80.872	91.270	113.798	194.093	224.708	227.019	242.616
85.0	43.324	35.815	31.193	36.970	43.324	53.144	89.537	106.289	102.823	98.779
87.5	11.553	9.820	9.243	10.975	12.708	15.597	26.572	26.572	23.684	15.597
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

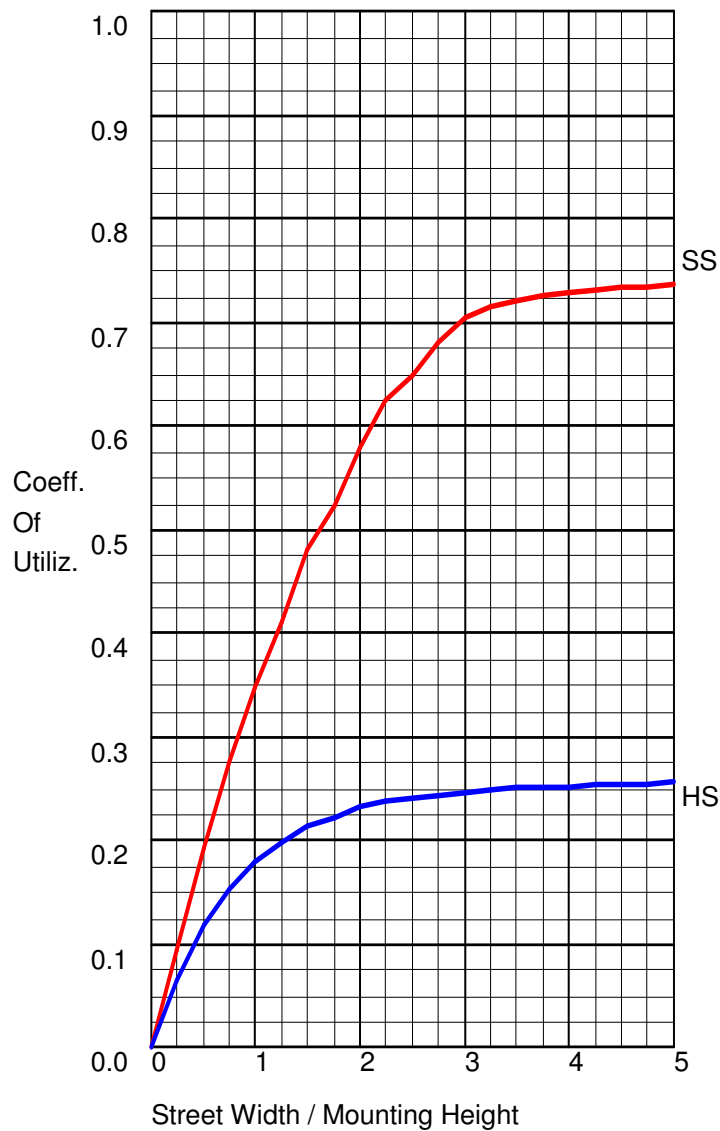
Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	1844.457	1844.457
2.5	1687.912	1695.999
5.0	1540.609	1542.920
7.5	1482.266	1481.111
10.0	1499.596	1496.130
12.5	1570.648	1567.759
15.0	1636.500	1638.811
17.5	1617.438	1619.171
20.0	1570.070	1568.915
22.5	1500.173	1505.372
25.0	1430.855	1438.364
27.5	1361.536	1369.623
30.0	1310.125	1319.367
32.5	1287.018	1296.261
35.0	1273.732	1281.819
37.5	1277.198	1283.552
40.0	1284.130	1289.907
42.5	1275.465	1281.242
45.0	1237.340	1241.961
47.5	1207.302	1213.656
50.0	1214.234	1218.855
52.5	1207.879	1213.078
55.0	1177.264	1187.084
57.5	1147.225	1156.468
60.0	1110.255	1117.765
62.5	1042.670	1053.645
65.0	960.065	983.171

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67.5	872.261	903.454
70.0	779.258	819.694
72.5	691.455	726.692
75.0	577.079	603.651
77.5	471.368	507.760
80.0	424.577	451.727
82.5	245.504	248.970
85.0	71.629	64.698
87.5	6.354	3.466
90.0	0.000	0.000

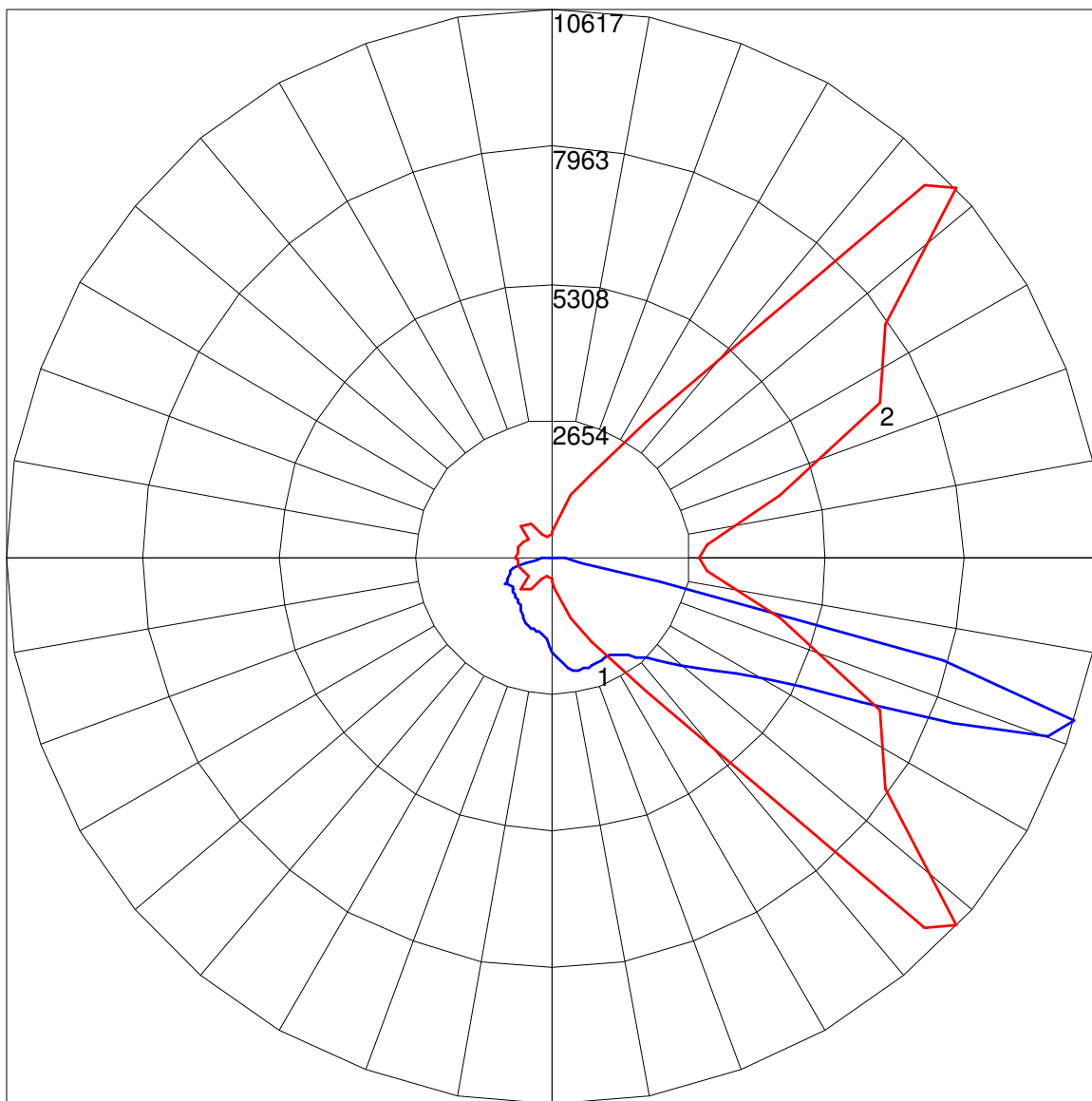
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

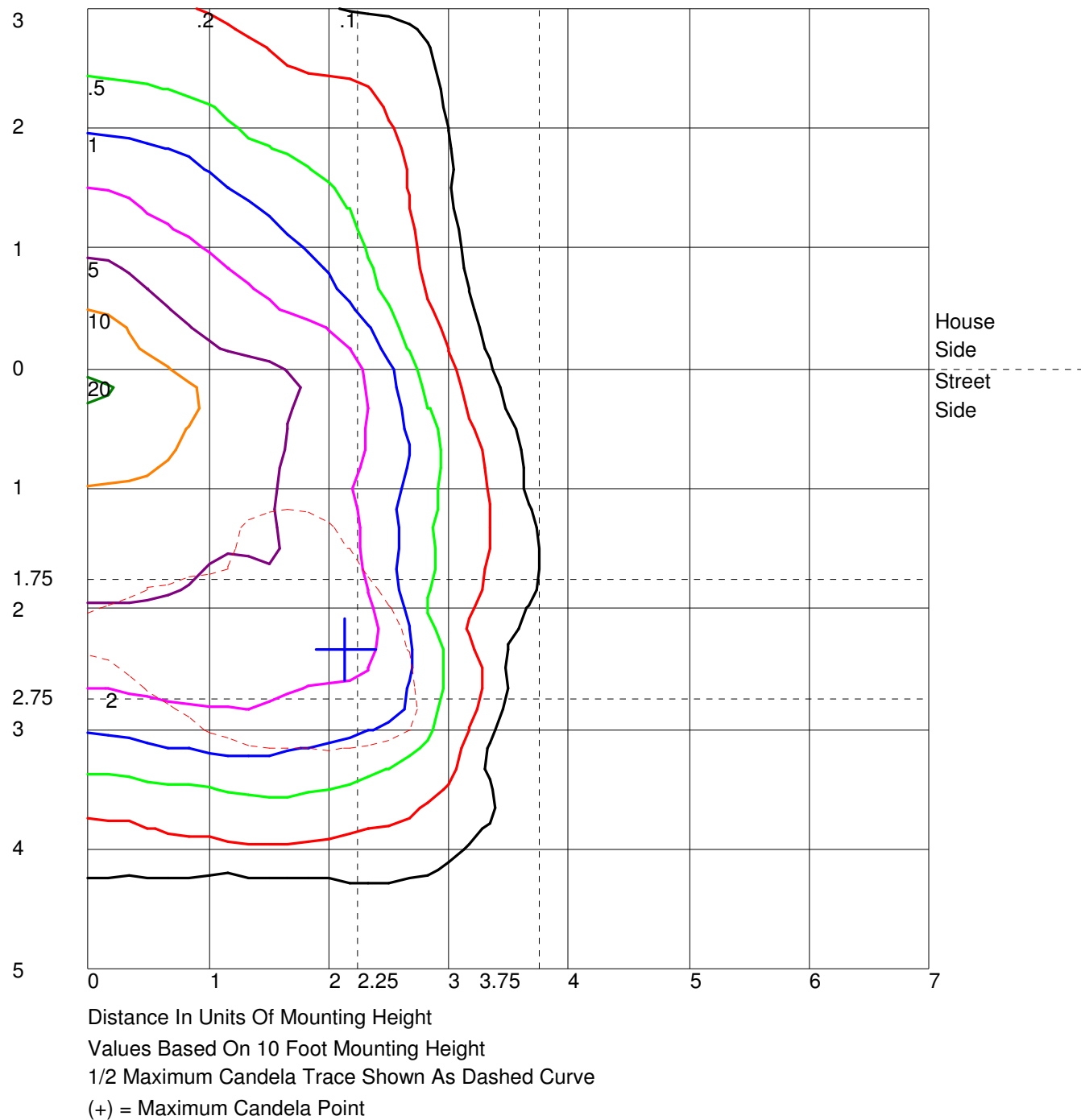
	Lumens	Percent Of Luminaire
Downward Street Side	8463.4	74.1
Downward House Side	2960.5	25.9
Downward Total	11423.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	11423.9	100.0

POLAR GRAPH

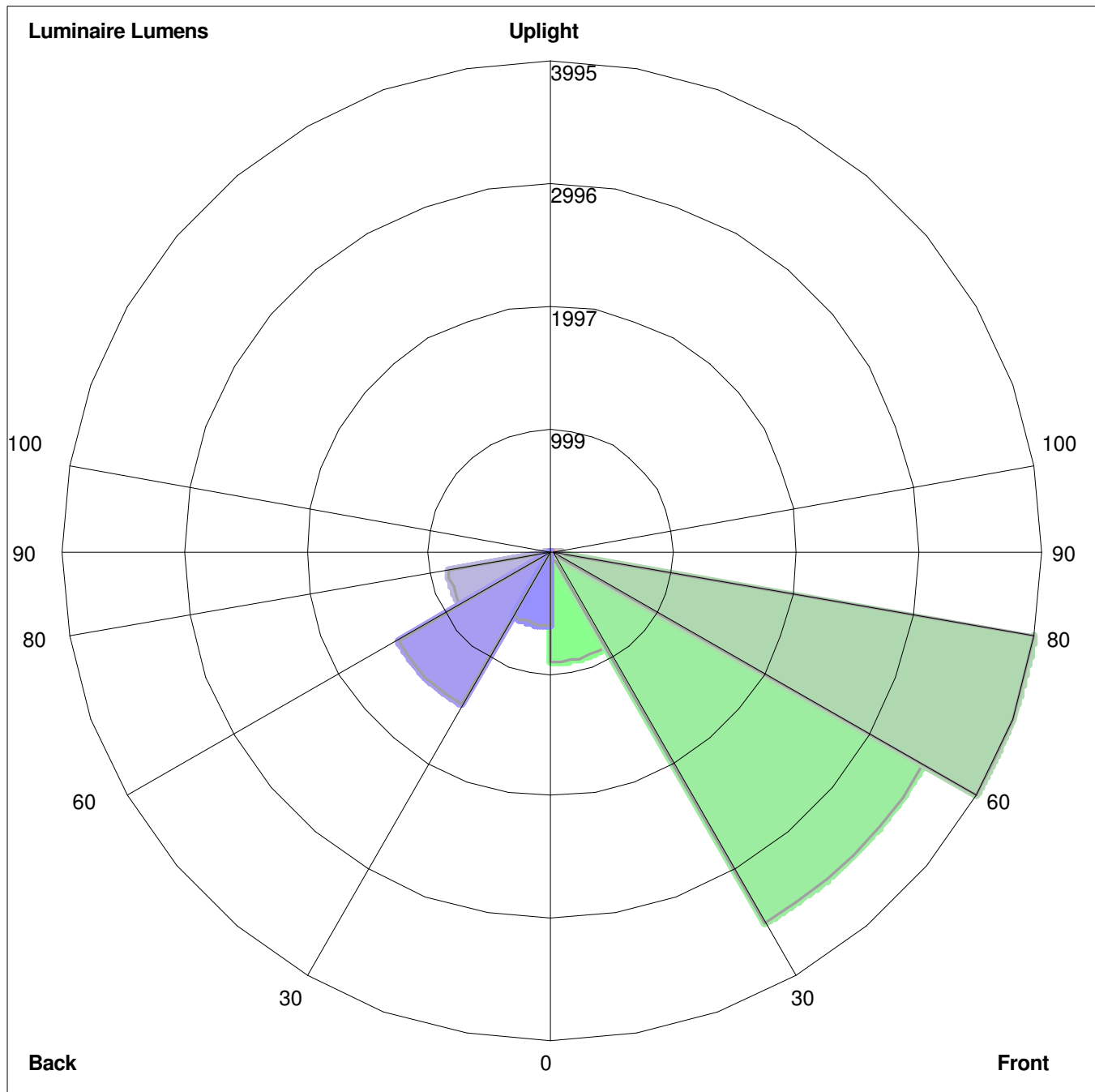


Maximum Candela = 10616.746 Located At Horizontal Angle = 42.5, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (42.5 - 222.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=902.5, Medium=3494.6, High=3994.5, Very High=71.8
Back: Low=608.1, Medium=1442.7, High=857.5, Very High=52.1
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2