



IES ROAD REPORT

PHOTOMETRIC FILENAME : VG1-L30-750-T3-XX-XXX-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] ATAL009382-R2
 [TESTLAB] ATAL-LABS
 [ISSUEDATE] 2023-11-06
 [MANUFAC] WILLIAMS OUTDOOR
 [OTHER] H.E. WILLIAMS INC. - CARTHAGE, MO.
 [LUMCAT] VG1-L30-750-T3-xx-xxx-DIM-UNV_
 [LUMINAIRE] 13.5 x 16 INCH LED GARAGE LUMINAIRE
 [MORE] WITH TYPE III OPTIC AND CLEAR GLASS LENS
 [LAMPCAT] X12-LUXEON M LEDS
 [LAMP] (12) LUXEON M LEDS
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Outdoor, Architectural, Area, Canopy, Garage, Industrial, Parking, Site, Direct, Wet Location
 [_SEARCH_MOUNTING] Pendant, Surface
 [MANUFAC] WILLIAMS OUTDOOR

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3795
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	36
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1579.513
Maximum Candela Angle	82.5H 70V
Maximum Candela (<90 Degrees Vertical)	1579.513
Maximum Candela Angle (<90 Degrees Vertical)	82.5H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	469.999 (12.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VG1-L30-750-T3-XX-XXX-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	475.3	N.A.	12.5
FM - Front-Medium (30-60)	1355.3	N.A.	35.7
FH - Front-High (60-80)	727.3	N.A.	19.2
FVH - Front-Very High (80-90)	23.9	N.A.	0.6
BL - Back-Low (0-30)	314.5	N.A.	8.3
BM - Back-Medium (30-60)	587.7	N.A.	15.5
BH - Back-High (60-80)	296.8	N.A.	7.8
BVH - Back-Very High (80-90)	14.3	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	3795.1	N.A.	100.0
BUG Rating	B1-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>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>	<u>82.5</u>
0.0	942.359	942.359	942.359	942.359	942.359	942.359	942.359	942.359	942.359	942.359
2.5	972.250	969.890	966.350	967.137	966.744	966.350	961.237	955.731	952.191	949.438
5.0	984.836	982.869	979.723	983.263	986.409	987.982	986.016	981.689	977.363	970.283
7.5	1006.861	1003.714	998.601	1001.355	1005.681	1006.074	1006.468	1008.041	1006.074	997.421
10.0	1051.698	1048.158	1042.652	1045.798	1045.405	1037.539	1032.426	1033.606	1032.819	1022.986
12.5	1070.576	1069.003	1070.970	1081.195	1089.848	1081.589	1065.857	1060.744	1056.024	1043.438
15.0	1061.924	1061.137	1065.463	1083.162	1107.547	1119.739	1103.614	1089.848	1076.869	1059.170
17.5	1089.062	1086.702	1081.589	1087.095	1104.007	1132.325	1133.898	1118.166	1095.748	1071.363
20.0	1161.430	1155.137	1142.551	1128.785	1115.806	1127.605	1146.484	1146.091	1113.840	1081.982
22.5	1247.170	1236.944	1204.693	1178.342	1146.484	1126.819	1140.978	1161.823	1129.965	1092.208
25.0	1314.032	1309.312	1260.543	1218.459	1176.375	1139.798	1132.325	1170.082	1141.371	1100.467
27.5	1374.208	1367.128	1310.492	1249.137	1199.974	1161.036	1134.685	1173.229	1151.204	1108.334
30.0	1405.672	1397.413	1339.990	1281.388	1224.358	1184.241	1148.844	1175.195	1160.643	1115.020
32.5	1421.798	1411.965	1358.869	1305.379	1255.823	1207.053	1166.543	1181.095	1172.836	1120.526
35.0	1431.237	1421.798	1380.501	1336.450	1288.074	1233.011	1181.488	1190.141	1189.748	1128.392
37.5	1423.371	1414.718	1386.400	1364.768	1327.011	1260.936	1193.287	1196.827	1209.020	1138.225
40.0	1325.045	1315.999	1351.396	1375.388	1375.781	1294.367	1203.907	1201.940	1230.258	1152.384
42.5	1107.940	1100.861	1182.668	1348.643	1413.538	1332.911	1215.706	1206.266	1254.250	1176.375
45.0	908.141	911.681	987.982	1195.647	1433.990	1368.701	1231.831	1210.986	1276.275	1205.087
47.5	803.915	803.129	860.945	993.882	1410.785	1405.279	1250.710	1217.279	1292.794	1235.764
50.0	732.334	733.514	784.250	920.334	1297.120	1440.676	1273.128	1232.618	1308.526	1266.835
52.5	665.079	667.832	719.748	893.589	1158.283	1445.789	1320.325	1282.961	1351.789	1303.806
55.0	613.556	617.096	666.652	871.171	1115.020	1355.722	1384.827	1334.484	1400.559	1373.421
57.5	558.886	565.179	618.669	844.033	1065.463	1178.342	1432.024	1389.940	1430.450	1450.902
60.0	483.372	488.092	552.987	790.150	994.275	1073.329	1432.810	1395.053	1432.417	1457.588
62.5	393.698	393.305	450.334	688.284	894.769	950.618	1389.547	1365.162	1427.304	1493.772
65.0	274.920	274.134	331.556	557.313	766.158	807.455	1281.781	1358.475	1453.655	1519.731
67.5	164.008	168.728	204.912	410.610	630.075	676.878	1103.221	1371.061	1451.295	1557.095
70.0	121.138	124.678	155.355	307.171	490.058	554.167	936.459	1396.233	1463.881	1579.513
72.5	90.853	91.247	119.171	239.523	359.481	429.096	768.125	1342.350	1376.961	1454.442
75.0	64.502	64.502	87.314	178.560	248.962	306.778	554.560	1161.036	1198.794	1163.003
77.5	41.690	42.477	56.243	122.711	165.975	197.832	347.682	916.007	869.204	700.870
80.0	23.598	23.598	31.858	75.121	101.079	105.406	235.983	469.999	337.849	225.364
82.5	11.013	11.406	14.552	38.937	52.703	47.197	148.276	132.937	104.619	68.435
85.0	2.753	3.146	4.326	11.799	21.632	17.305	49.950	31.858	28.318	16.519
87.5	0.000	0.000	0.000	0.393	1.180	1.180	1.967	1.573	0.787	0.787
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	942.359	942.359	942.359	942.359	942.359	942.359	942.359	942.359	942.359	942.359
2.5	949.832	947.078	943.539	936.066	932.133	930.953	920.334	915.221	910.894	911.288
5.0	970.677	963.991	957.698	941.179	927.020	914.434	894.769	881.790	869.204	864.091
7.5	996.242	987.196	976.970	952.191	927.413	904.602	876.677	854.652	834.987	823.187
10.0	1019.447	1008.041	994.668	962.811	928.986	897.915	863.698	835.773	810.995	794.476
12.5	1037.932	1024.166	1007.254	968.317	927.020	889.263	854.652	823.581	793.296	769.305
15.0	1051.698	1035.965	1014.727	969.104	920.727	879.823	847.572	809.815	764.978	728.794
17.5	1062.710	1043.438	1018.267	966.350	908.928	870.384	833.807	781.104	716.995	661.146
20.0	1072.543	1048.944	1019.840	960.844	897.915	859.371	807.455	730.761	630.075	527.815
22.5	1080.802	1054.451	1019.447	954.551	887.689	839.313	765.765	643.840	481.405	381.506
25.0	1086.702	1058.384	1018.660	947.472	880.610	811.388	705.589	510.903	363.807	326.836
27.5	1092.995	1061.137	1017.873	941.572	873.137	774.811	615.129	390.945	338.636	335.096

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CANDELA TABULATION - (Cont.)

30.0	1098.501	1060.744	1015.907	935.673	859.765	728.008	503.824	355.548	354.368	370.887
32.5	1101.647	1058.777	1011.580	928.593	842.066	670.192	410.217	359.481	384.259	403.924
35.0	1107.940	1059.957	1006.861	923.087	818.861	604.116	389.372	378.359	400.778	409.037
37.5	1117.380	1062.710	1002.534	915.614	790.150	525.062	381.113	385.439	389.372	395.665
40.0	1127.999	1065.463	998.208	901.848	755.146	439.322	371.673	371.673	371.673	397.631
42.5	1146.484	1072.543	995.062	880.610	707.949	370.100	341.782	351.221	402.744	493.598
45.0	1169.296	1083.162	995.848	861.731	647.380	320.544	300.092	342.962	474.326	528.209
47.5	1194.861	1099.681	1003.714	848.752	581.305	266.267	261.548	409.037	484.945	538.828
50.0	1220.819	1117.380	1014.727	843.639	531.748	222.611	240.309	427.523	470.786	478.652
52.5	1251.103	1135.472	1030.852	850.719	513.263	191.933	255.255	362.627	298.125	271.774
55.0	1318.752	1186.995	1070.576	874.317	508.150	171.088	213.565	201.765	180.527	180.134
57.5	1398.199	1251.103	1104.794	878.250	481.799	154.962	143.163	147.096	145.523	139.230
60.0	1410.785	1282.174	1141.371	870.777	446.008	141.196	123.891	123.891	127.824	123.891
62.5	1442.643	1286.107	1130.752	827.120	409.431	127.431	116.418	108.552	117.598	117.992
65.0	1466.241	1288.860	1111.480	786.217	373.246	114.452	105.799	97.933	108.945	123.498
67.5	1511.864	1321.898	1138.225	804.702	334.703	103.046	88.887	88.494	101.473	137.657
70.0	1543.722	1339.990	1148.451	831.447	306.778	94.000	76.694	77.481	101.866	148.276
72.5	1430.844	1252.676	1072.936	791.330	274.527	81.414	65.289	67.648	105.406	144.343
75.0	1144.124	1017.480	867.631	667.439	197.046	68.042	55.063	60.176	105.012	140.803
77.5	637.941	584.845	511.690	483.765	107.372	55.456	45.230	54.276	95.966	134.904
80.0	192.326	164.795	137.263	173.448	60.569	38.937	34.611	46.017	81.414	110.519
82.5	68.828	53.883	45.230	41.690	32.644	23.205	22.025	31.464	57.029	68.042
85.0	16.519	12.979	11.406	10.226	10.226	9.439	8.653	16.912	26.745	29.105
87.5	0.787	0.787	0.393	0.787	0.787	0.393	0.393	2.753	2.753	3.146
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

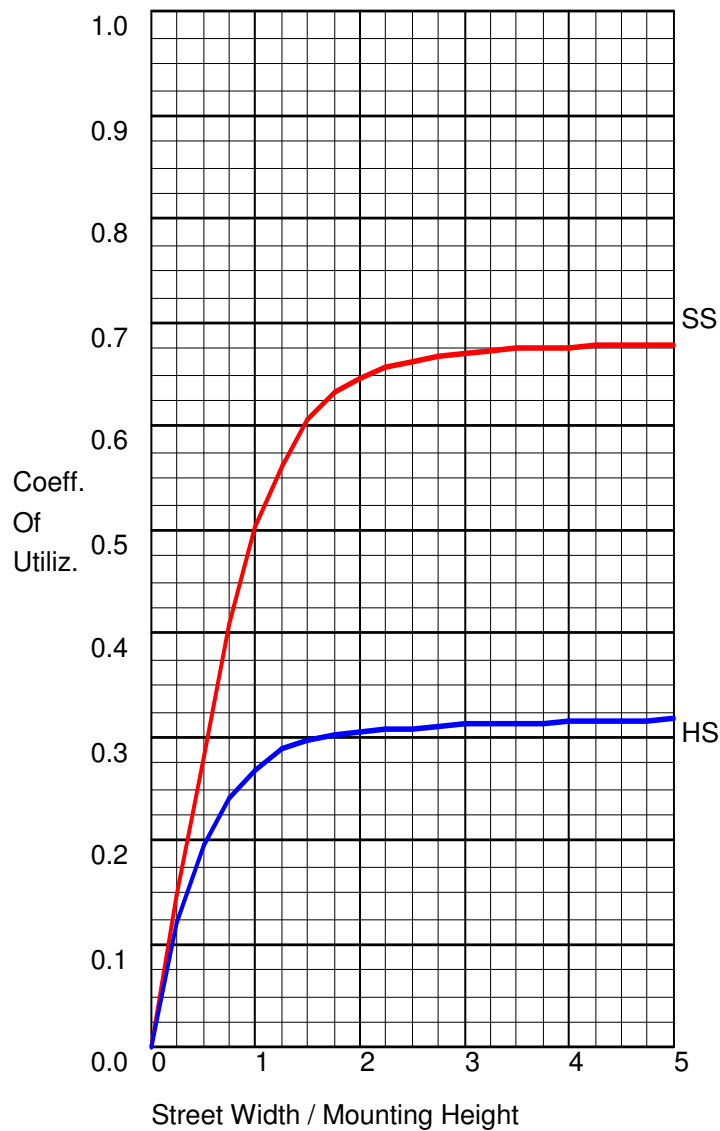
Vert. Horizontal Angles
Angles

	175.0	180.0
0.0	942.359	942.359
2.5	904.208	900.668
5.0	854.652	851.505
7.5	812.568	809.815
10.0	781.890	779.531
12.5	751.999	748.459
15.0	703.229	698.510
17.5	619.062	621.422
20.0	468.426	470.786
22.5	340.209	339.816
25.0	316.611	315.431
27.5	341.389	340.602
30.0	378.753	379.539
32.5	411.004	409.824
35.0	410.217	409.431
37.5	399.991	399.598
40.0	457.414	465.280
42.5	534.108	542.368
45.0	554.167	559.673
47.5	565.573	569.899
50.0	474.719	459.380
52.5	280.426	274.920
55.0	188.393	184.853
57.5	140.803	139.230
60.0	125.071	124.284
62.5	124.678	127.038
65.0	141.983	145.916

IES ROAD REPORT**PHOTOMETRIC FILENAME : VG1-L30-750-T3-XX-XXX-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	158.502	162.435
70.0	165.188	167.941
72.5	162.042	167.155
75.0	164.401	168.335
77.5	154.569	157.322
80.0	113.665	112.879
82.5	65.682	60.569
85.0	25.958	19.272
87.5	1.967	1.573
90.0	0.000	0.000

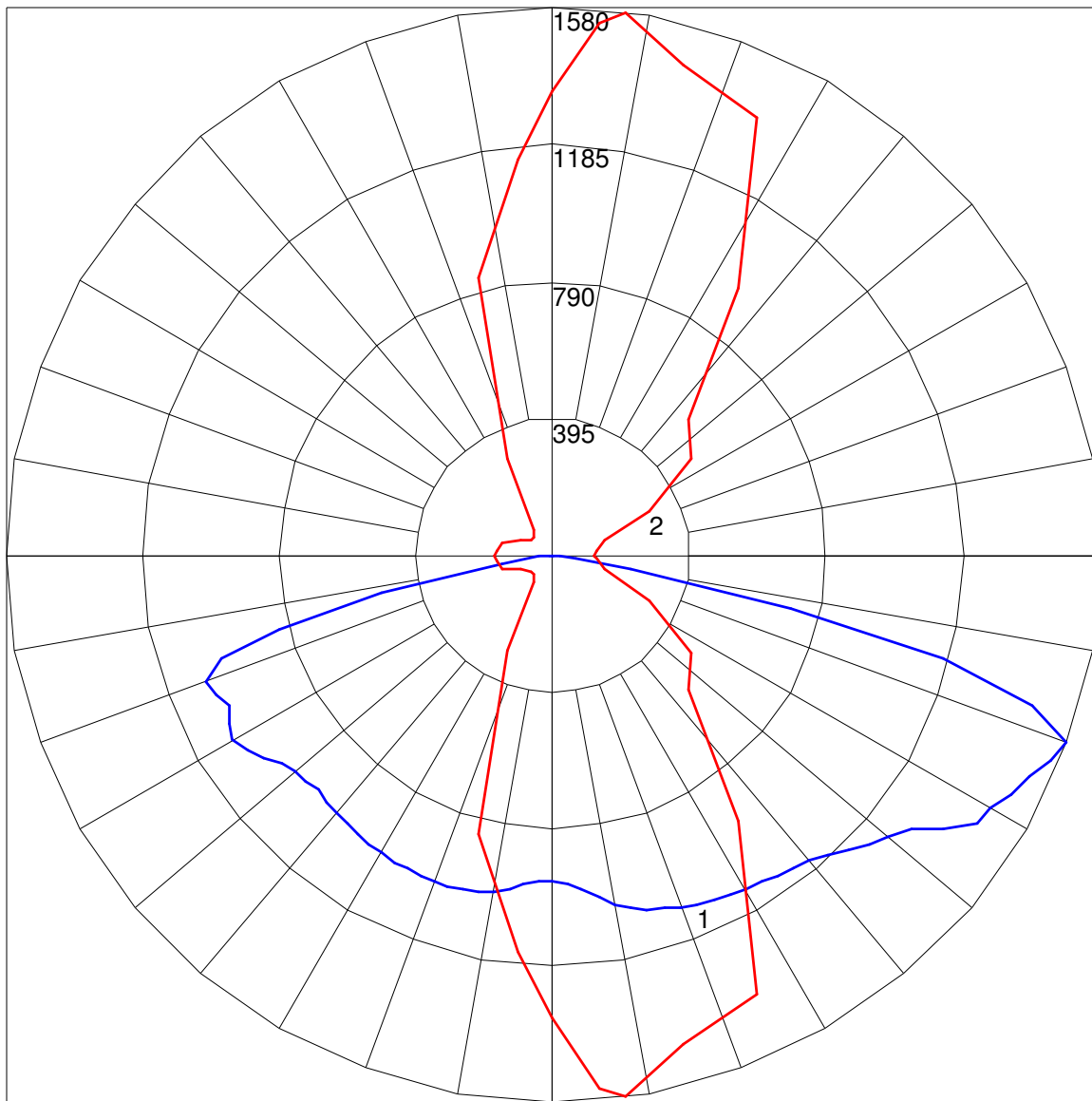
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

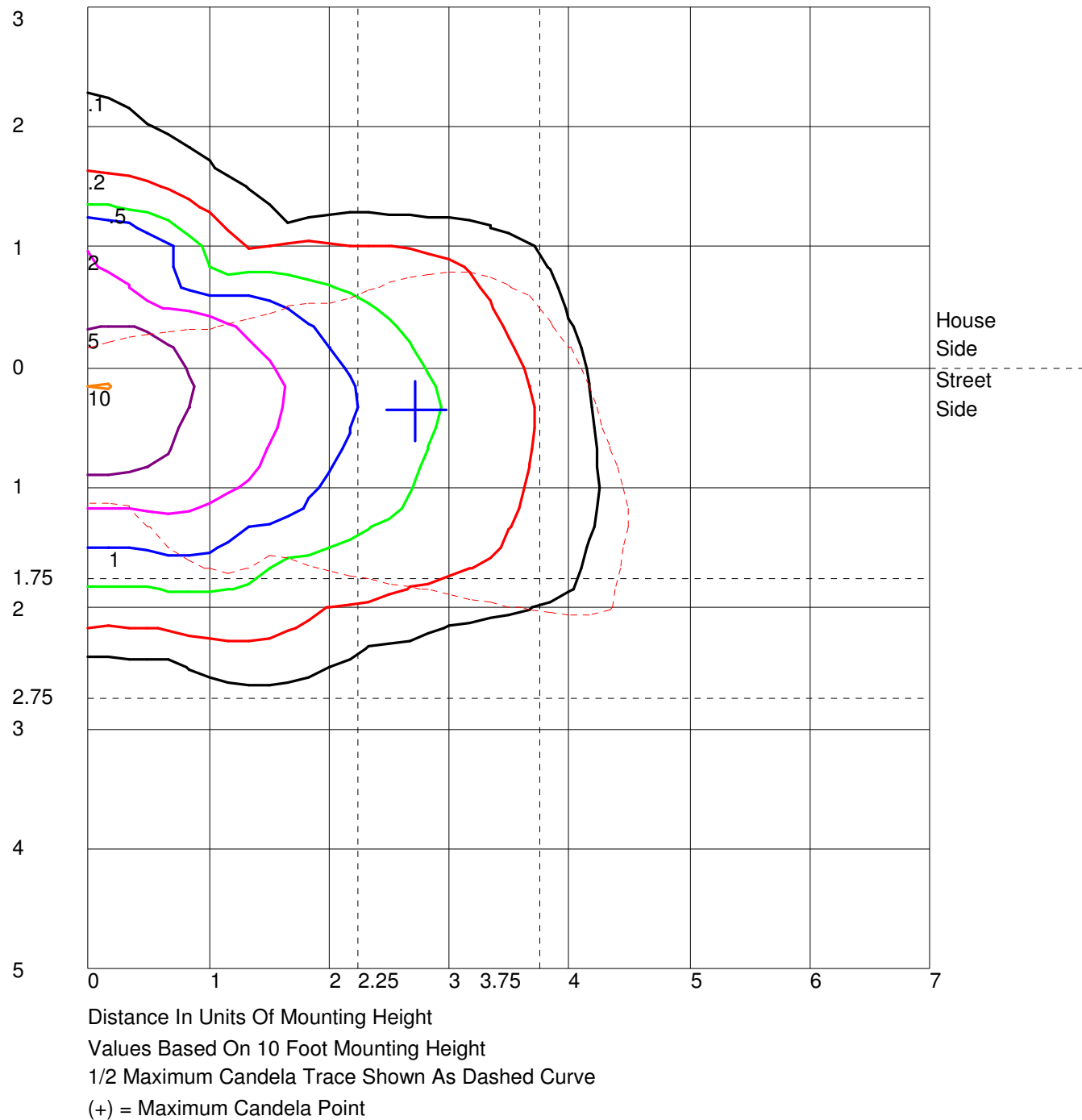
	Lumens	Percent Of Luminaire
Downward Street Side	2581.7	68.0
Downward House Side	1213.4	32.0
Downward Total	3795.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3795.1	100.0

POLAR GRAPH

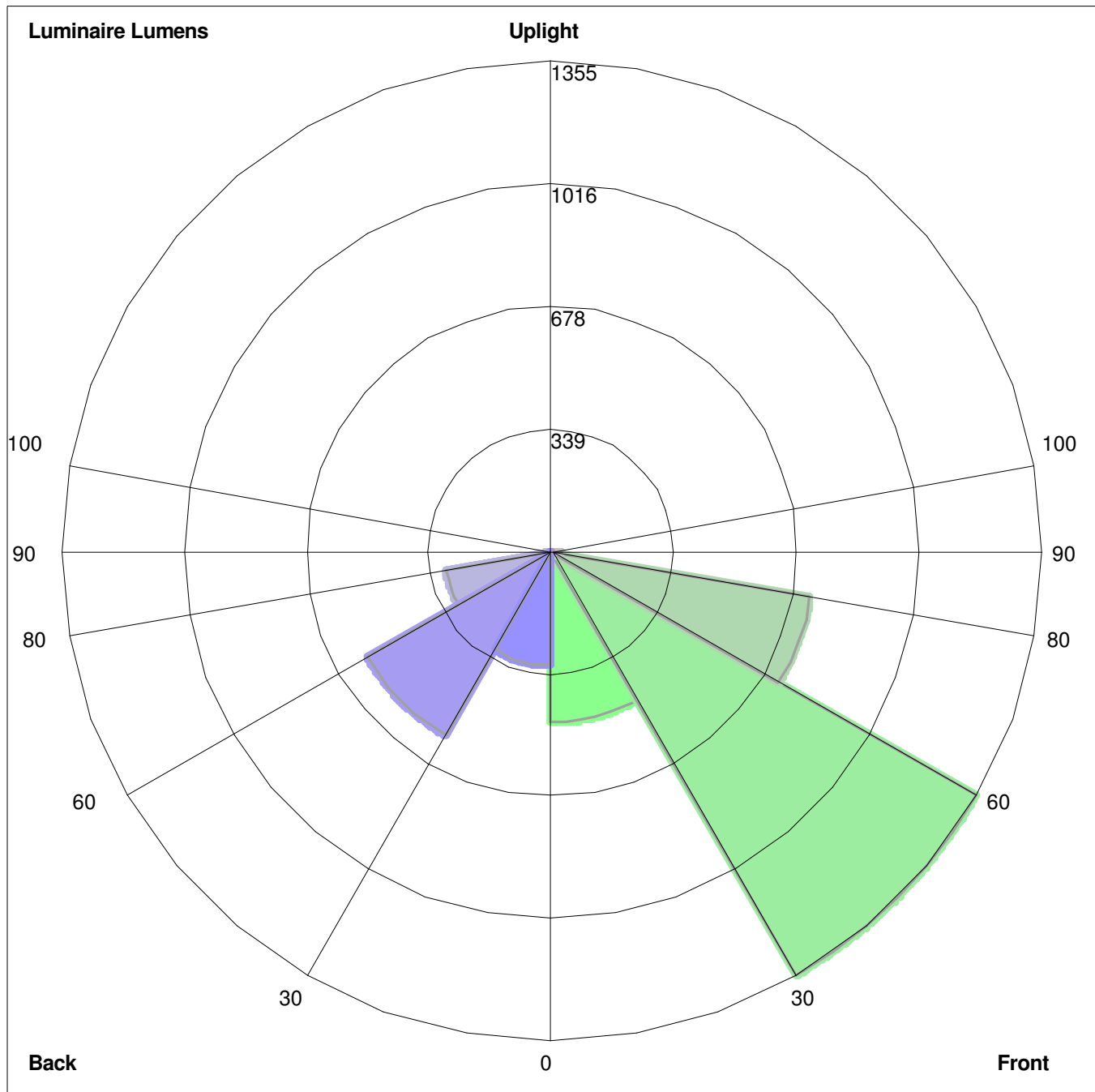


Maximum Candela = 1579.513 Located At Horizontal Angle = 82.5, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (82.5 - 262.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=475.3, Medium=1355.3, High=727.3, Very High=23.9
Back: Low=314.5, Medium=587.7, High=296.8, Very High=14.3
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1