



IES ROAD REPORT

PHOTOMETRIC FILENAME : VG1-L30-740-TFL-XX-XXX-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] ATAL009393-R2
[TESTLAB] ATAL-LABS
[ISSUEDATE] 2023-11-06
[MANUFAC] WILLIAMS OUTDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] VG1-L30-740-TFL-xx-xxx-DIM-UNV_
[LUMINAIRE] 13.5 x 16 INCH DIE CAST LED LUMINAIRE
[MORE] WITH TFL FLOOD 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

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4009
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	36
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1678.669
Maximum Candela Angle	45H 45V
Maximum Candela (<90 Degrees Vertical)	1678.669
Maximum Candela Angle (<90 Degrees Vertical)	45H 45V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	28.963 (0.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VG1-L30-740-TFL-XX-XXX-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	493.4	N.A.	12.3
FM - Front-Medium (30-60)	1363.0	N.A.	34.0
FH - Front-High (60-80)	144.2	N.A.	3.6
FVH - Front-Very High (80-90)	4.0	N.A.	0.1
BL - Back-Low (0-30)	493.4	N.A.	12.3
BM - Back-Medium (30-60)	1363.0	N.A.	34.0
BH - Back-High (60-80)	144.2	N.A.	3.6
BVH - Back-Very High (80-90)	4.0	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	4009.2	N.A.	100.0
BUG Rating	B2-U0-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	1123.287	1123.287	1123.287	1123.287	1123.287	1123.287	1123.287	1123.287	1123.287	1123.287
2.5	1121.722	1122.113	1123.287	1123.287	1122.113	1123.679	1123.679	1123.287	1123.287	1122.896
5.0	1121.330	1120.548	1120.156	1120.548	1119.373	1120.939	1122.113	1122.113	1122.505	1121.330
7.5	1120.156	1118.591	1117.808	1117.808	1118.199	1119.765	1122.113	1122.896	1123.679	1122.113
10.0	1120.156	1117.808	1115.851	1117.416	1119.373	1121.722	1125.244	1126.810	1128.375	1126.810
12.5	1122.113	1120.548	1118.199	1120.548	1124.853	1127.593	1131.898	1134.246	1136.203	1135.420
15.0	1130.724	1129.550	1127.593	1130.724	1136.595	1139.726	1144.031	1147.553	1149.902	1149.119
17.5	1140.900	1140.508	1140.508	1144.814	1152.642	1157.338	1161.252	1165.949	1168.297	1168.297
20.0	1148.728	1149.510	1151.859	1158.512	1169.080	1177.299	1182.778	1188.649	1192.172	1192.563
22.5	1149.119	1151.076	1157.338	1168.688	1183.170	1195.694	1205.088	1212.133	1218.786	1219.569
25.0	1141.291	1144.814	1156.947	1175.342	1195.694	1214.090	1229.354	1238.747	1248.141	1249.315
27.5	1129.550	1136.595	1154.207	1179.647	1209.393	1234.442	1256.751	1271.624	1284.148	1286.105
30.0	1124.853	1134.638	1157.338	1188.258	1227.005	1261.056	1290.411	1313.894	1331.506	1335.812
32.5	1131.898	1143.248	1169.080	1204.305	1251.272	1295.890	1334.638	1366.731	1389.041	1396.477
35.0	1144.031	1155.773	1183.561	1225.049	1279.452	1334.638	1383.170	1425.048	1453.620	1463.405
37.5	1154.207	1165.557	1195.694	1244.618	1308.806	1372.211	1428.962	1480.626	1517.808	1529.941
40.0	1157.730	1169.863	1203.131	1259.099	1333.855	1405.870	1469.275	1526.810	1575.733	1597.260
42.5	1165.557	1178.865	1215.655	1275.929	1352.641	1424.657	1490.802	1558.904	1623.091	1652.054
45.0	1179.256	1194.520	1236.399	1296.673	1363.600	1419.569	1473.581	1556.164	1642.270	1678.669
47.5	1177.690	1194.129	1237.964	1293.150	1340.508	1375.342	1419.569	1511.154	1619.569	1672.407
50.0	1106.458	1125.244	1174.168	1225.440	1262.231	1285.322	1333.463	1437.964	1551.859	1607.436
52.5	950.685	971.037	1021.135	1081.409	1118.982	1156.164	1221.526	1327.201	1418.395	1452.054
55.0	744.031	766.732	818.786	882.974	929.158	984.344	1057.143	1153.816	1203.914	1210.176
57.5	532.289	551.859	603.131	676.321	724.462	782.387	854.794	926.810	941.683	942.465
60.0	323.288	336.595	378.082	453.229	508.806	565.949	623.875	672.015	675.147	677.104
62.5	179.648	187.867	216.047	258.317	306.066	352.642	394.129	422.309	423.092	425.832
65.0	116.634	119.374	132.290	153.033	176.125	203.522	224.266	240.313	242.270	250.489
67.5	83.366	85.323	91.976	103.327	115.460	129.550	142.074	151.468	153.816	157.339
70.0	63.014	64.188	68.493	75.538	82.975	90.802	98.239	104.110	106.067	108.023
72.5	48.532	49.315	52.446	57.143	61.448	66.928	71.233	75.147	76.712	78.278
75.0	36.399	37.573	39.530	42.661	45.401	49.315	52.055	54.795	55.969	57.143
77.5	26.223	27.006	28.571	30.920	32.877	35.616	37.182	39.139	40.313	41.879
80.0	16.438	17.221	18.787	20.352	21.918	23.483	24.266	26.223	27.789	28.963
82.5	7.828	8.611	10.176	11.742	12.916	13.307	13.699	14.481	16.047	18.004
85.0	2.740	3.131	3.914	5.088	5.479	5.479	5.088	5.088	5.871	7.045
87.5	0.783	0.783	0.783	0.783	0.783	0.783	0.783	0.783	0.783	1.174
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

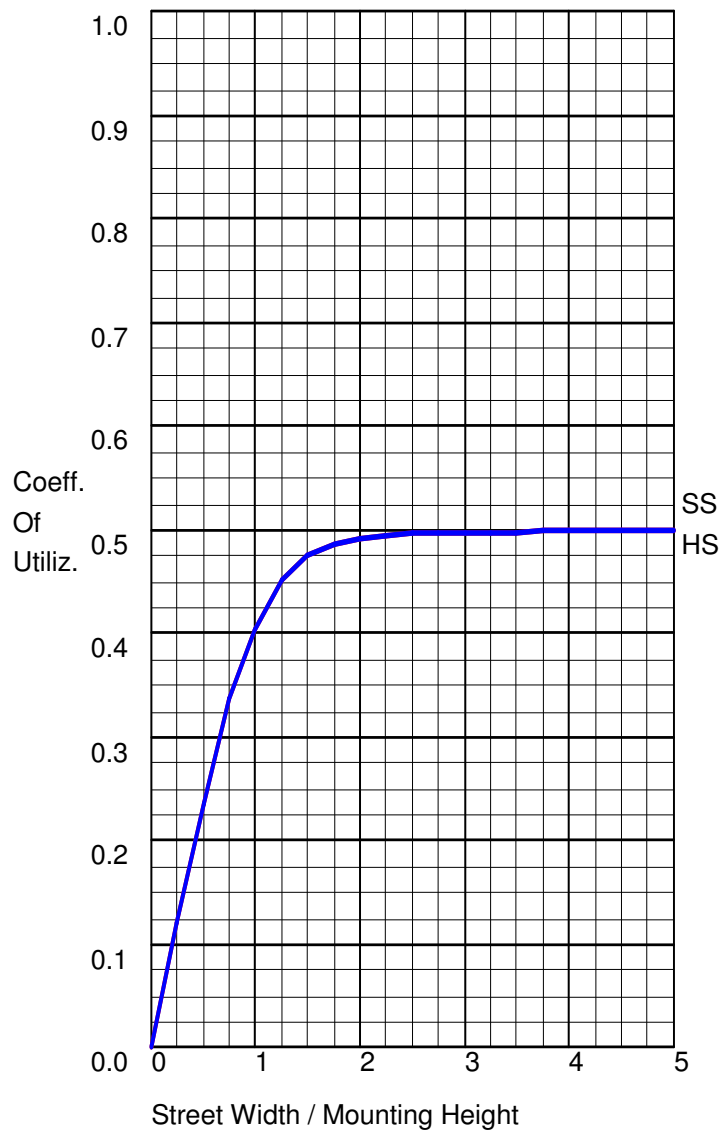
Vert. Angles	Horizontal Angles									
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	
0.0	1123.287	1123.287	1123.287	1123.287	1123.287	1123.287	1123.287	1123.287	1123.287	
2.5	1124.070	1126.027	1124.461	1120.939	1119.373	1119.765	1121.722	1122.113	1122.113	
5.0	1122.113	1122.896	1121.330	1118.982	1118.591	1118.591	1120.156	1120.156	1120.156	
7.5	1122.505	1121.722	1119.765	1118.591	1118.591	1117.808	1118.591	1117.808	1117.808	
10.0	1126.027	1123.287	1120.939	1120.156	1120.156	1118.591	1117.416	1115.851	1115.851	
12.5	1133.072	1129.158	1126.418	1126.027	1125.244	1122.896	1119.373	1117.416	1116.634	
15.0	1145.205	1140.508	1138.552	1137.769	1136.595	1133.855	1127.984	1125.244	1123.679	
17.5	1163.209	1157.338	1155.773	1154.990	1153.033	1148.336	1138.943	1135.029	1133.072	
20.0	1187.084	1178.473	1175.733	1173.777	1169.863	1161.643	1148.728	1140.900	1138.552	
22.5	1211.741	1201.565	1196.086	1191.780	1184.735	1171.428	1153.816	1140.900	1136.595	
25.0	1240.313	1228.571	1219.178	1210.959	1198.043	1177.690	1153.816	1134.638	1127.984	
27.5	1276.712	1262.622	1248.141	1232.485	1211.350	1182.778	1151.859	1127.593	1117.808	

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CANDELA TABULATION - (Cont.)

30.0	1325.636	1307.240	1286.105	1261.056	1229.745	1192.563	1156.555	1128.767	1117.025
32.5	1387.084	1363.600	1334.246	1297.847	1254.794	1208.610	1167.514	1137.769	1125.244
35.0	1453.229	1424.657	1385.127	1337.377	1282.191	1226.614	1180.822	1150.293	1137.769
37.5	1516.634	1481.409	1431.702	1374.559	1309.589	1244.618	1192.955	1159.687	1147.553
40.0	1576.908	1529.941	1473.189	1407.045	1332.289	1258.317	1200.000	1164.383	1151.076
42.5	1626.614	1562.818	1493.933	1424.266	1349.119	1271.624	1207.436	1167.906	1152.642
45.0	1645.009	1558.904	1474.755	1413.307	1350.293	1275.929	1206.653	1159.687	1140.900
47.5	1620.743	1513.111	1415.655	1355.381	1310.763	1245.792	1178.865	1125.244	1104.501
50.0	1551.467	1436.007	1320.939	1253.229	1220.352	1164.383	1102.935	1043.053	1020.352
52.5	1421.135	1315.068	1200.782	1118.199	1077.886	1027.788	974.559	918.982	900.195
55.0	1204.305	1140.900	1037.182	949.119	905.283	864.579	822.700	775.734	753.033
57.5	942.074	911.937	834.833	758.904	721.330	690.411	660.665	627.006	612.916
60.0	678.278	658.708	608.219	549.511	522.113	500.196	481.409	457.143	447.749
62.5	433.268	420.352	381.605	343.248	324.853	310.763	301.370	286.888	282.192
65.0	246.967	238.747	218.787	200.783	189.041	176.908	171.037	160.861	159.295
67.5	154.599	149.119	140.509	129.550	120.939	113.112	104.892	98.630	97.847
70.0	106.067	102.544	97.456	90.411	84.540	77.104	70.059	65.362	64.971
72.5	76.712	74.364	70.841	65.753	60.665	54.403	48.924	45.401	45.010
75.0	56.360	54.795	52.446	47.749	43.444	38.356	34.051	31.311	30.920
77.5	41.096	39.922	38.356	34.442	30.528	26.614	22.701	20.744	20.744
80.0	28.571	27.789	26.614	23.875	20.352	16.830	13.699	12.524	12.133
82.5	18.004	17.221	16.830	14.090	11.742	9.002	7.045	5.871	5.871
85.0	7.045	6.654	7.045	6.262	5.088	3.523	3.131	2.348	2.348
87.5	1.174	0.783	0.783	0.783	0.783	0.783	0.783	0.783	0.783
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

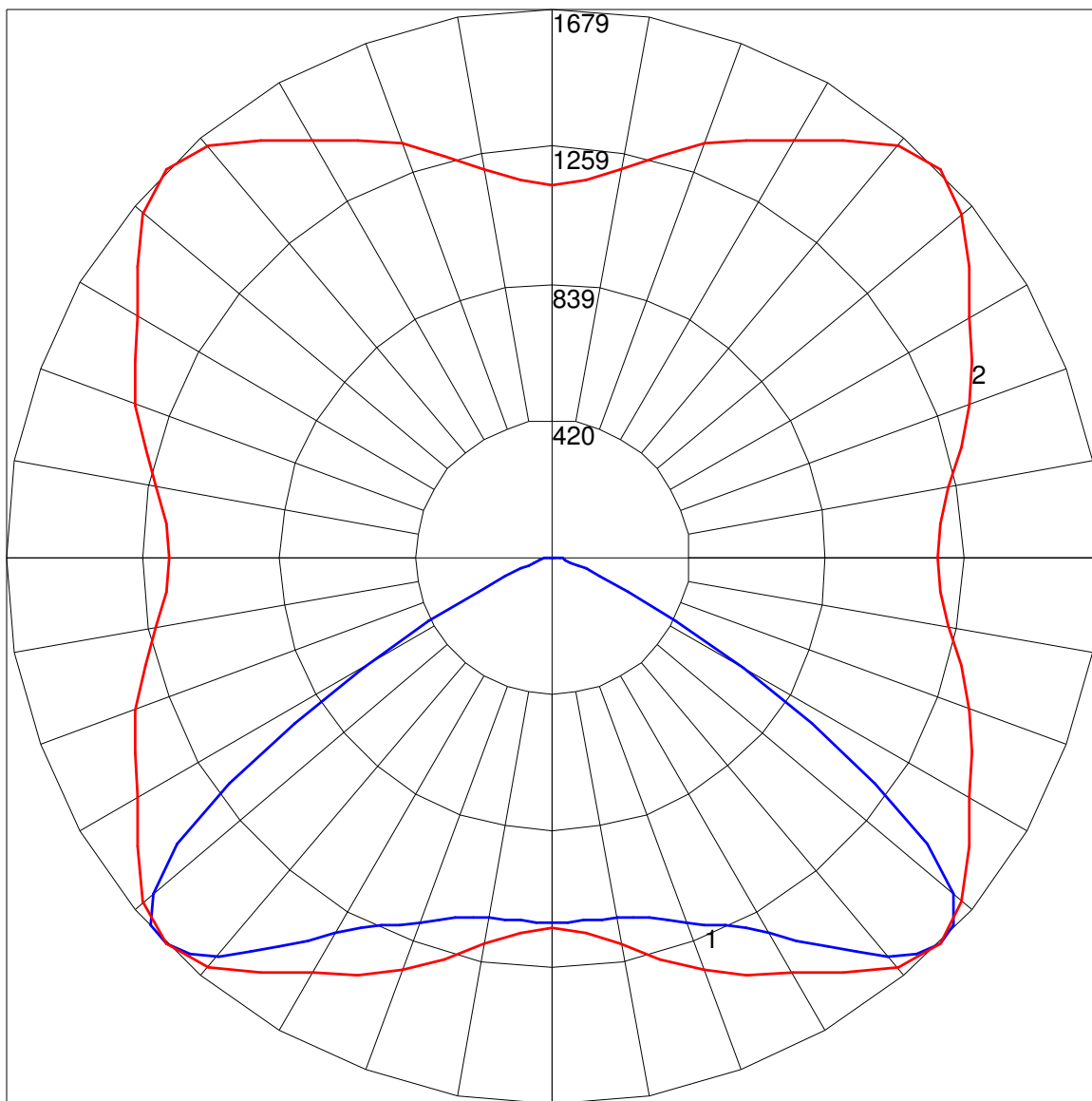
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

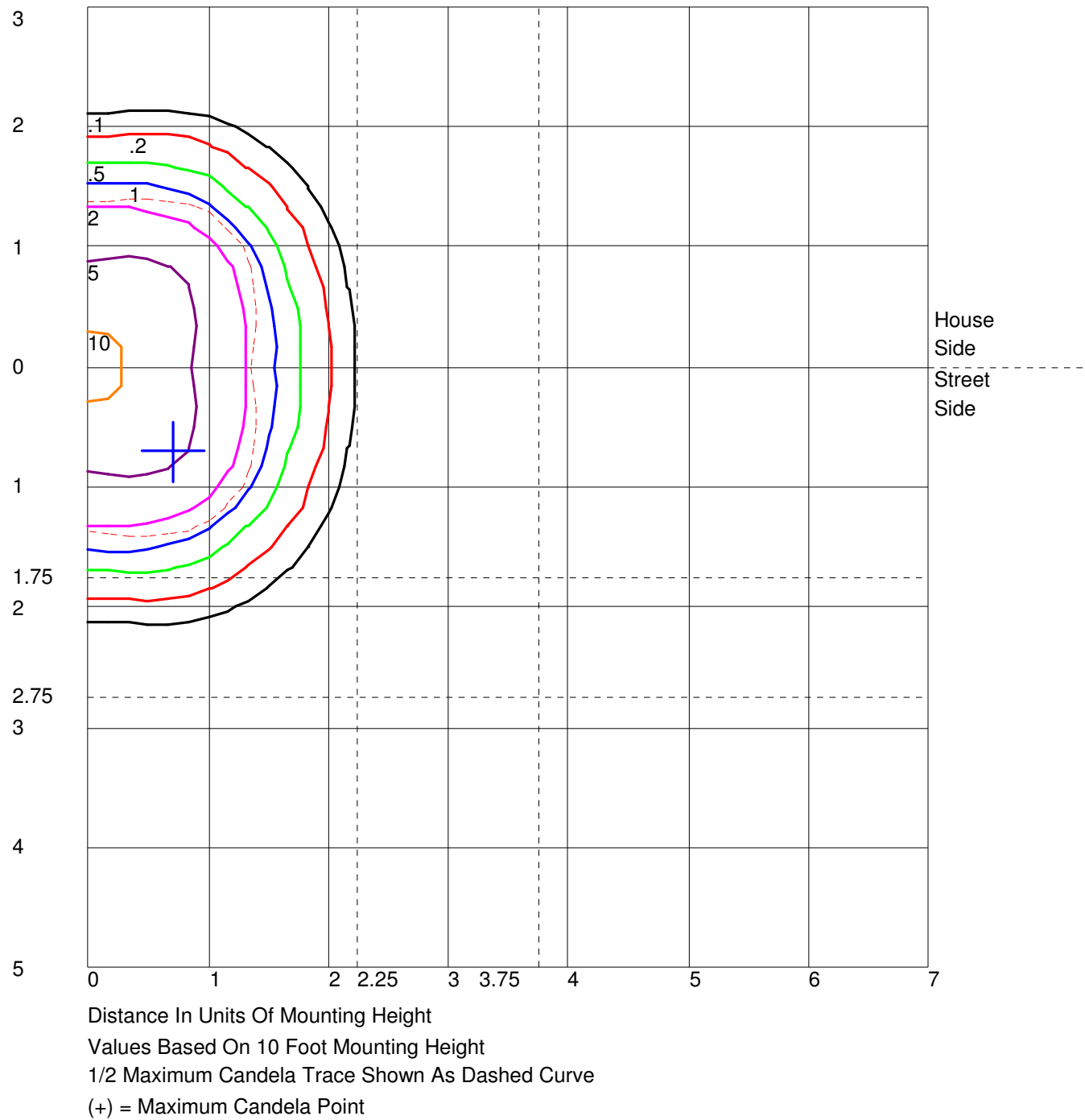
	Lumens	Percent Of Luminaire
Downward Street Side	2004.5	50.0
Downward House Side	2004.5	50.0
Downward Total	4009.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4009.0	100.0

POLAR GRAPH

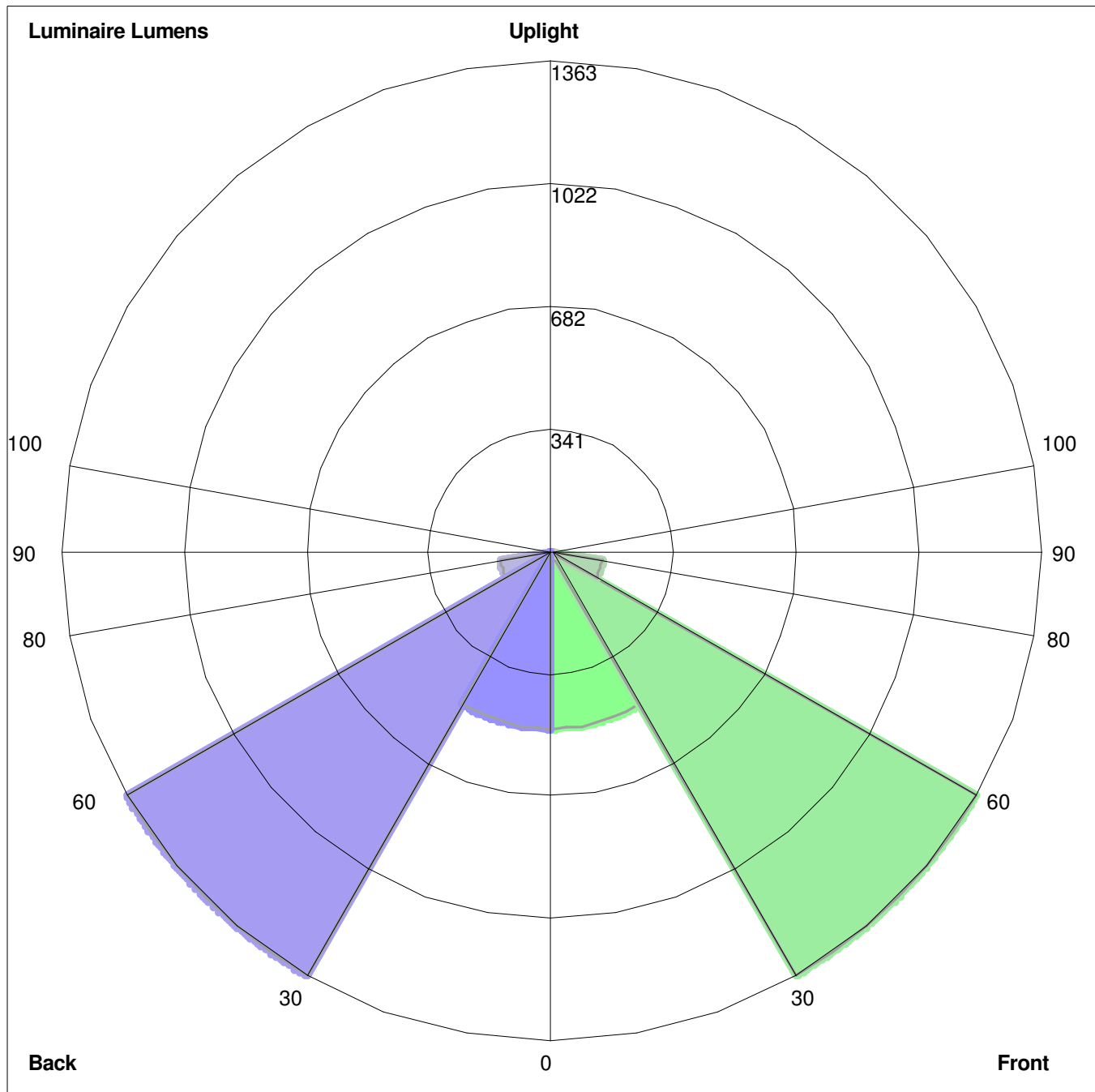


Maximum Candela = 1678.669 Located At Horizontal Angle = 45, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=493.4, Medium= 1363.0, High=144.2, Very High=4.0
Back: Low=493.4, Medium= 1363.0, High=144.2, Very High=4.0
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G0