



IES ROAD REPORT

PHOTOMETRIC FILENAME : VG1-L30-730-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-L30-730-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	3748
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	36
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1569.381
Maximum Candela Angle	45H 45V
Maximum Candela (<90 Degrees Vertical)	1569.381
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	27.077 (0.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VG1-L30-730-TFL-XX-XXX-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	461.3	N.A.	12.3
FM - Front-Medium (30-60)	1274.3	N.A.	34.0
FH - Front-High (60-80)	134.8	N.A.	3.6
FVH - Front-Very High (80-90)	3.7	N.A.	0.1
BL - Back-Low (0-30)	461.3	N.A.	12.3
BM - Back-Medium (30-60)	1274.3	N.A.	34.0
BH - Back-High (60-80)	134.8	N.A.	3.6
BVH - Back-Very High (80-90)	3.7	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	3748.2	N.A.	100.0
BUG Rating	B2-U0-G0		

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CANDELA TABULATION

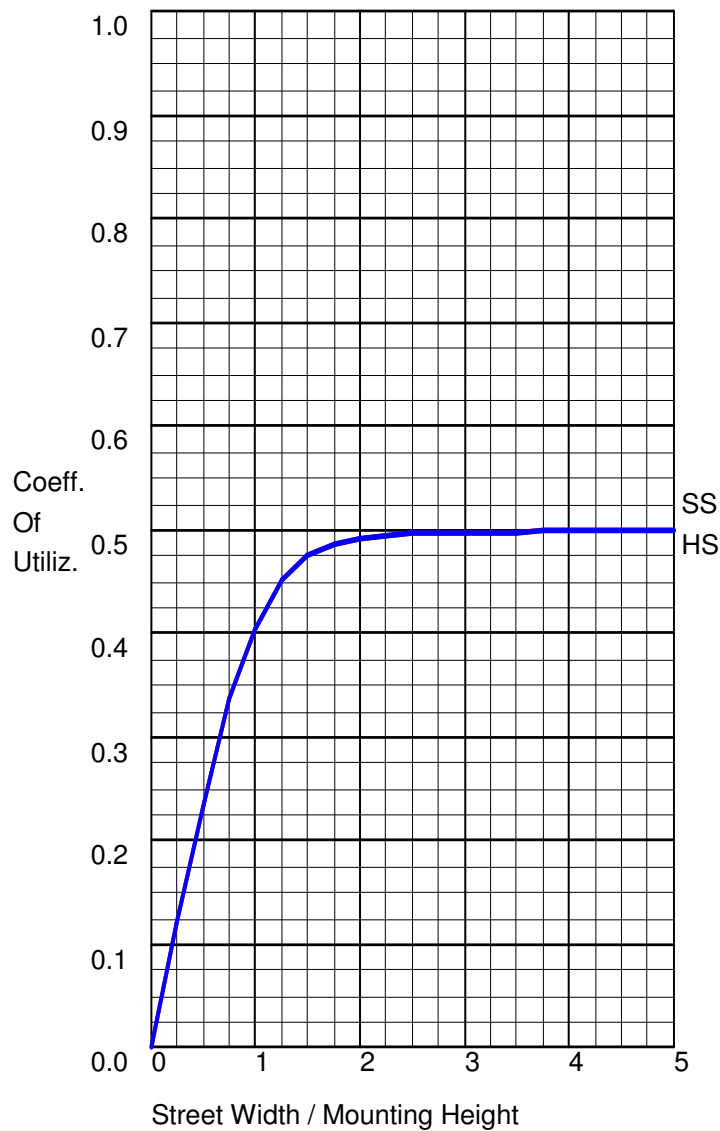
Vert. Angles	Horizontal Angles										
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>	
0.0	1050.157	1050.157	1050.157	1050.157	1050.157	1050.157	1050.157	1050.157	1050.157	1050.157	
2.5	1048.694	1049.059	1050.157	1050.157	1049.059	1050.523	1050.523	1050.157	1050.157	1049.791	
5.0	1048.328	1047.596	1047.230	1047.596	1046.498	1047.962	1049.059	1049.059	1049.425	1048.328	
7.5	1047.230	1045.766	1045.034	1045.034	1045.400	1046.864	1049.059	1049.791	1050.523	1049.059	
10.0	1047.230	1045.034	1043.205	1044.669	1046.498	1048.694	1051.987	1053.450	1054.914	1053.450	
12.5	1049.059	1047.596	1045.400	1047.596	1051.621	1054.182	1058.207	1060.403	1062.232	1061.500	
15.0	1057.109	1056.012	1054.182	1057.109	1062.598	1065.525	1069.550	1072.843	1075.039	1074.307	
17.5	1066.623	1066.257	1066.257	1070.282	1077.600	1081.991	1085.650	1090.041	1092.237	1092.237	
20.0	1073.941	1074.673	1076.868	1083.089	1092.968	1100.653	1105.775	1111.264	1114.557	1114.923	
22.5	1074.307	1076.137	1081.991	1092.603	1106.141	1117.850	1126.632	1133.218	1139.439	1140.171	
25.0	1066.989	1070.282	1081.625	1098.823	1117.850	1135.048	1149.318	1158.100	1166.882	1167.980	
27.5	1056.012	1062.598	1079.064	1102.848	1130.657	1154.075	1174.932	1188.836	1200.546	1202.375	
30.0	1051.621	1060.768	1081.991	1110.898	1147.123	1178.957	1206.400	1228.355	1244.820	1248.845	
32.5	1058.207	1068.818	1092.968	1125.900	1169.809	1211.523	1247.748	1277.752	1298.609	1305.561	
35.0	1069.550	1080.528	1106.507	1145.293	1196.155	1247.748	1293.120	1332.273	1358.984	1368.132	
37.5	1079.064	1089.675	1117.850	1163.589	1223.598	1282.875	1335.932	1384.232	1418.993	1430.336	
40.0	1082.357	1093.700	1124.802	1177.127	1247.016	1314.343	1373.620	1427.409	1473.147	1493.272	
42.5	1089.675	1102.116	1136.512	1192.861	1264.579	1331.907	1393.745	1457.413	1517.422	1544.499	
45.0	1102.482	1116.752	1155.905	1212.255	1274.825	1327.150	1377.645	1454.852	1535.352	1569.381	
47.5	1101.018	1116.387	1157.368	1208.961	1253.236	1285.802	1327.150	1412.772	1514.129	1563.527	
50.0	1034.423	1051.987	1097.725	1145.659	1180.055	1201.643	1246.650	1344.348	1450.827	1502.786	
52.5	888.792	907.819	954.655	1011.005	1046.132	1080.893	1142.000	1240.795	1326.052	1357.520	
55.0	695.592	716.815	765.480	825.489	868.667	920.260	988.319	1078.698	1125.534	1131.389	
57.5	497.635	515.931	563.865	632.290	677.296	731.451	799.144	866.471	880.376	881.107	
60.0	302.240	314.681	353.468	423.722	475.681	529.104	583.258	628.265	631.192	633.022	
62.5	167.952	175.636	201.981	241.500	286.140	329.683	368.470	394.815	395.547	398.108	
65.0	109.041	111.602	123.677	143.070	164.659	190.272	209.666	224.668	226.497	234.181	
67.5	77.938	79.768	85.988	96.600	107.943	121.116	132.825	141.607	143.802	147.095	
70.0	58.911	60.009	64.034	70.620	77.573	84.891	91.843	97.332	99.161	100.991	
72.5	45.373	46.104	49.032	53.423	57.448	62.570	66.595	70.254	71.718	73.182	
75.0	34.029	35.127	36.957	39.884	42.445	46.104	48.666	51.227	52.325	53.423	
77.5	24.516	25.248	26.711	28.907	30.736	33.298	34.761	36.591	37.689	39.152	
80.0	15.368	16.100	17.564	19.027	20.491	21.955	22.686	24.516	25.979	27.077	
82.5	7.318	8.050	9.514	10.977	12.075	12.441	12.807	13.539	15.002	16.832	
85.0	2.561	2.927	3.659	4.757	5.123	5.123	4.757	4.757	5.489	6.586	
87.5	0.732	0.732	0.732	0.732	0.732	0.732	0.732	0.732	0.732	1.098	
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	1050.157	1050.157	1050.157	1050.157	1050.157	1050.157	1050.157	1050.157	1050.157	
2.5	1050.889	1052.719	1051.255	1047.962	1046.498	1046.864	1048.694	1049.059	1049.059	
5.0	1049.059	1049.791	1048.328	1046.132	1045.766	1045.766	1047.230	1047.230	1047.230	
7.5	1049.425	1048.694	1046.864	1045.766	1045.766	1045.034	1045.766	1045.034	1045.034	
10.0	1052.719	1050.157	1047.962	1047.230	1047.230	1045.766	1044.669	1043.205	1043.205	
12.5	1059.305	1055.646	1053.084	1052.719	1051.987	1049.791	1046.498	1044.669	1043.937	
15.0	1070.648	1066.257	1064.428	1063.696	1062.598	1060.037	1054.548	1051.987	1050.523	
17.5	1087.480	1081.991	1080.528	1079.796	1077.966	1073.575	1064.793	1061.134	1059.305	
20.0	1109.800	1101.750	1099.189	1097.359	1093.700	1086.016	1073.941	1066.623	1064.428	
22.5	1132.852	1123.339	1118.216	1114.191	1107.605	1095.164	1078.698	1066.623	1062.598	
25.0	1159.564	1148.587	1139.805	1132.121	1120.046	1101.018	1078.698	1060.768	1054.548	
27.5	1193.593	1180.421	1166.882	1152.246	1132.487	1105.775	1076.868	1054.182	1045.034	

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30.0	1239.332	1222.134	1202.375	1178.957	1149.684	1114.923	1081.259	1055.280	1044.303
32.5	1296.779	1274.825	1247.382	1213.352	1173.102	1129.925	1091.505	1063.696	1051.987
35.0	1358.618	1331.907	1294.950	1250.309	1198.716	1146.757	1103.946	1075.405	1063.696
37.5	1417.895	1384.963	1338.493	1285.070	1224.330	1163.589	1115.289	1084.187	1072.843
40.0	1474.245	1430.336	1377.279	1315.441	1245.552	1176.396	1121.875	1088.578	1076.137
42.5	1520.715	1461.072	1396.672	1331.541	1261.286	1188.836	1128.827	1091.871	1077.600
45.0	1537.913	1457.413	1378.743	1321.295	1262.384	1192.861	1128.096	1084.187	1066.623
47.5	1515.227	1414.602	1323.491	1267.141	1225.427	1164.686	1102.116	1051.987	1032.594
50.0	1450.461	1342.518	1234.941	1171.639	1140.902	1088.578	1031.130	975.146	953.923
52.5	1328.613	1229.452	1122.607	1045.400	1007.712	960.875	911.112	859.153	841.589
55.0	1125.900	1066.623	969.657	887.328	846.346	808.292	769.139	725.230	704.008
57.5	880.742	852.567	780.483	709.496	674.369	645.462	617.653	586.185	573.013
60.0	634.119	615.824	568.622	513.735	488.122	467.631	450.067	427.381	418.599
62.5	405.061	392.986	356.761	320.902	303.704	290.531	281.749	268.211	263.820
65.0	230.888	223.204	204.543	187.711	176.734	165.391	159.902	150.388	148.925
67.5	144.534	139.411	131.361	121.116	113.066	105.748	98.063	92.209	91.477
70.0	99.161	95.868	91.111	84.525	79.036	72.084	65.498	61.107	60.741
72.5	71.718	69.523	66.229	61.473	56.716	50.861	45.739	42.445	42.079
75.0	52.691	51.227	49.032	44.641	40.616	35.859	31.834	29.273	28.907
77.5	38.420	37.323	35.859	32.200	28.541	24.882	21.223	19.393	19.393
80.0	26.711	25.979	24.882	22.320	19.027	15.734	12.807	11.709	11.343
82.5	16.832	16.100	15.734	13.173	10.977	8.416	6.586	5.489	5.489
85.0	6.586	6.220	6.586	5.855	4.757	3.293	2.927	2.195	2.195
87.5	1.098	0.732	0.732	0.732	0.732	0.732	0.732	0.732	0.732
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

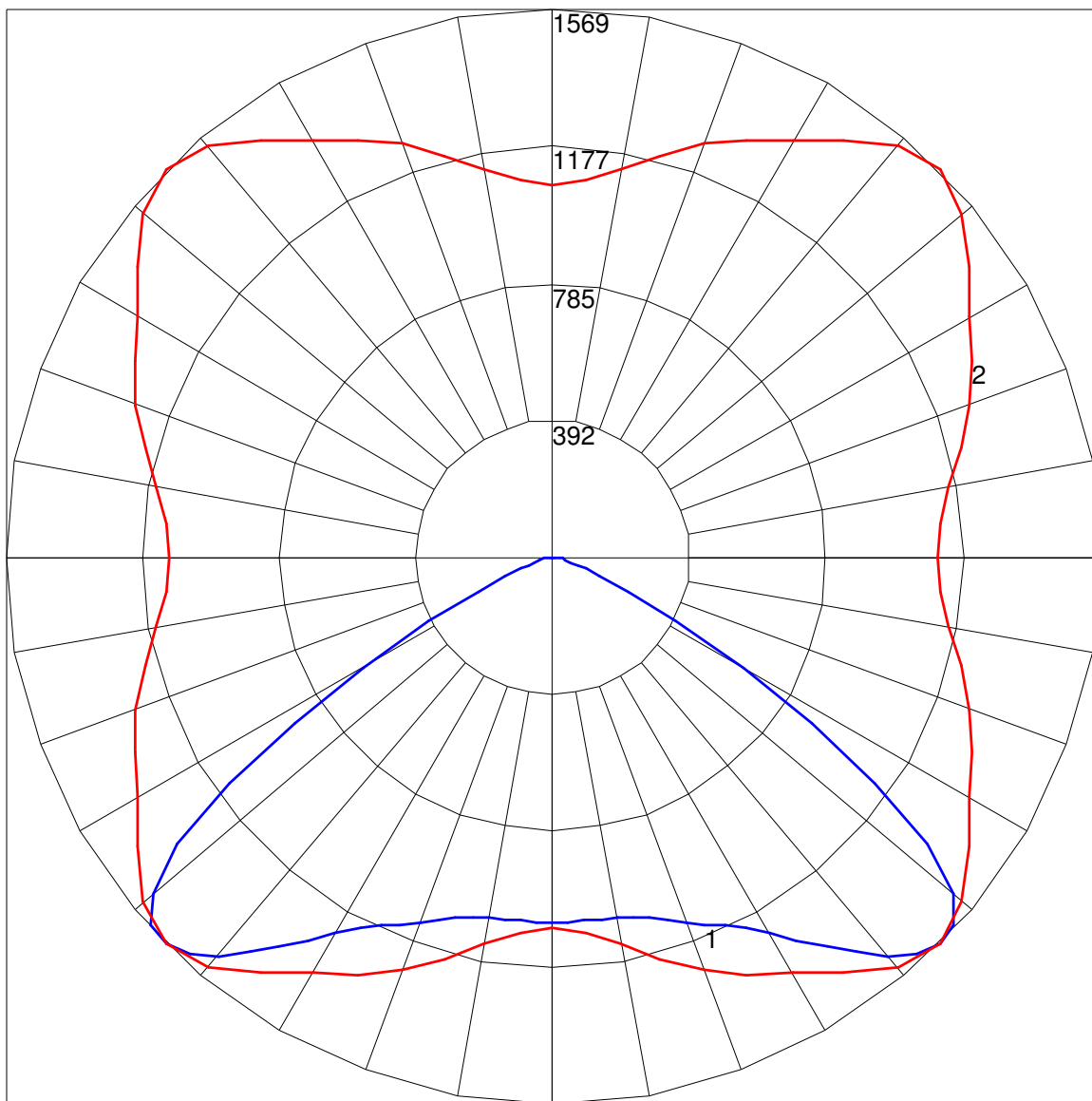
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

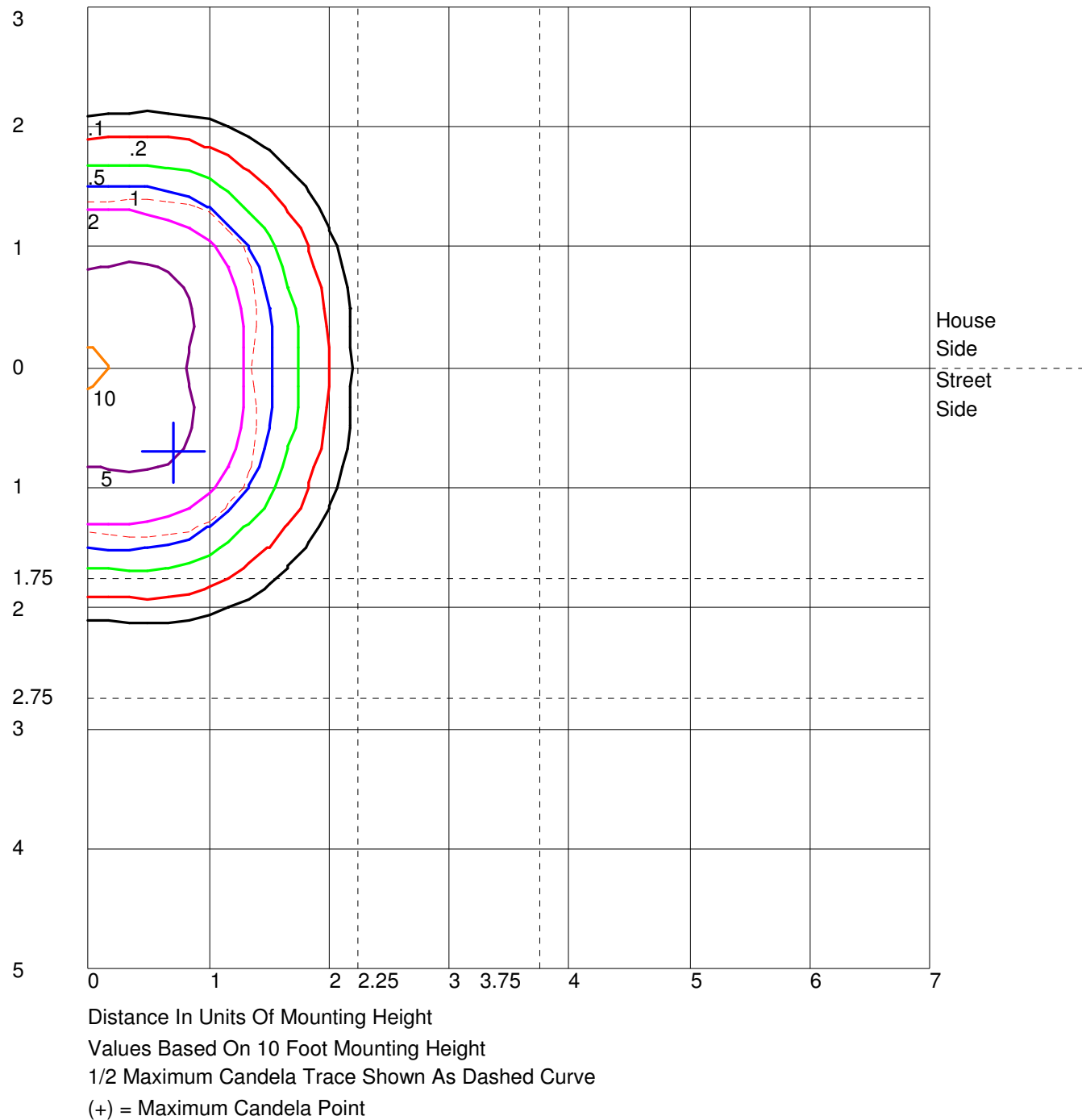
	Lumens	Percent Of Luminaire
Downward Street Side	1874.0	50.0
Downward House Side	1874.0	50.0
Downward Total	3748.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3748.0	100.0

POLAR GRAPH

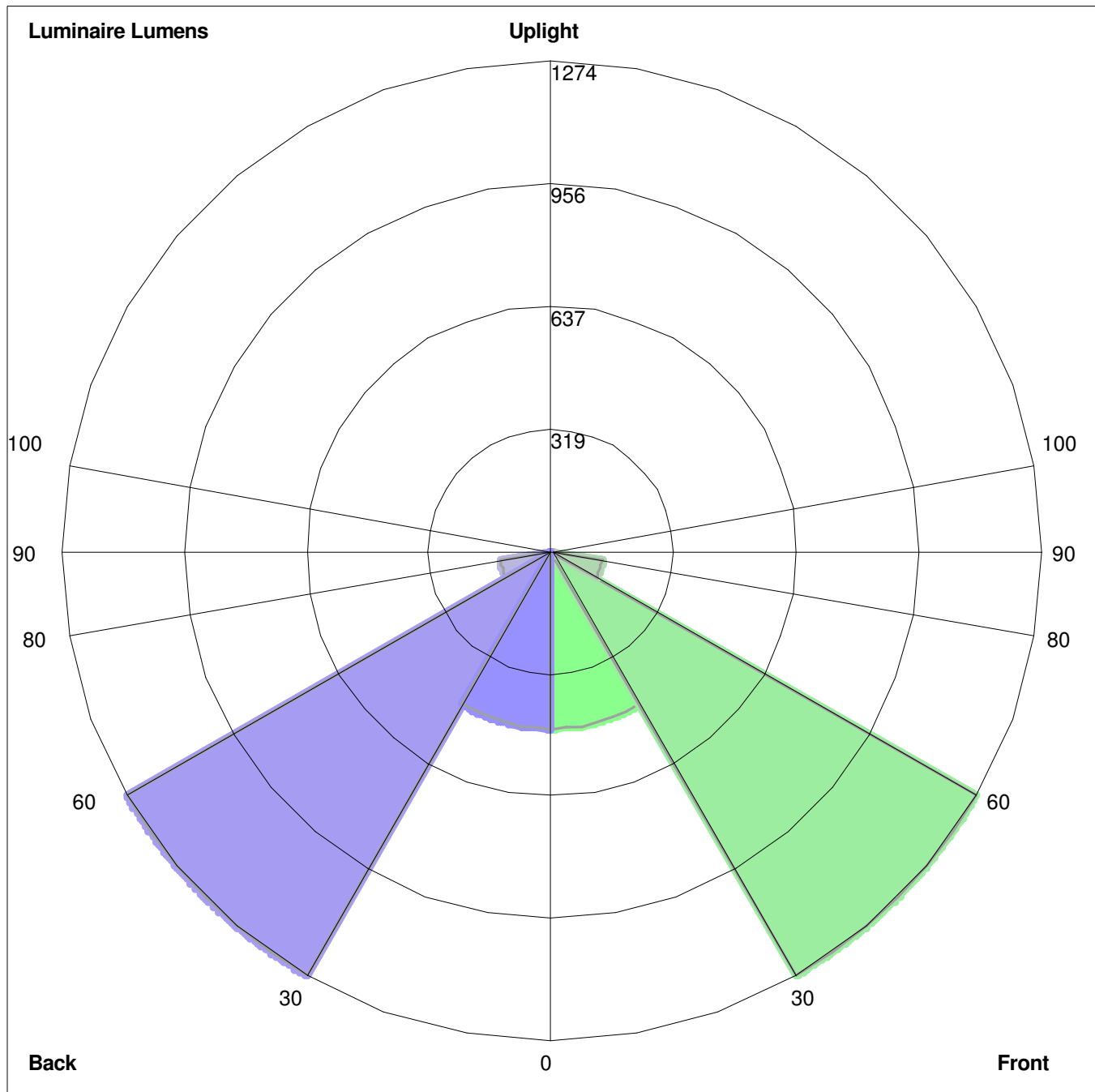


Maximum Candela = 1569.381 Located At Horizontal Angle = 45, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=461.3, Medium=1274.3, High=134.8, Very High=3.7
Back: Low=461.3, Medium=1274.3, High=134.8, Very High=3.7
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G0