

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-827-XXX-DIM-UNV-W-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(V22)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L60-827-xxx-DIM-UNV-W-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH WIDE DIST.
[LAMPCAT] BL VERO 22
[LAMP] LED
[OTHER] Absolute Photometry

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6115
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4943.539
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	4943.539
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.693 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	31.479 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-827-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1604.8	N.A.	26.2
FM - Front-Medium (30-60)	1241.9	N.A.	20.3
FH - Front-High (60-80)	204.4	N.A.	3.3
FVH - Front-Very High (80-90)	5.7	N.A.	0.1
BL - Back-Low (0-30)	1604.8	N.A.	26.2
BM - Back-Medium (30-60)	1241.9	N.A.	20.3
BH - Back-High (60-80)	204.4	N.A.	3.3
BVH - Back-Very High (80-90)	5.7	N.A.	0.1
UL - Uplight-Low (90-100)	1.6	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	6115.3	N.A.	100.0
BUG Rating	B3-U1-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4900.575	4900.575	4900.575	4900.575	4900.575
1	4905.246	4906.266	4912.733	4912.305	4910.020
2	4891.394	4897.025	4911.407	4917.650	4915.018
3	4870.259	4881.010	4912.244	4928.707	4928.075
4	4842.514	4861.752	4911.693	4942.192	4942.090
5	4805.241	4836.434	4903.839	4943.192	4943.539
6	4764.542	4802.467	4883.315	4927.891	4926.790
7	4715.804	4760.135	4846.023	4892.108	4888.660
8	4662.333	4708.011	4794.755	4840.922	4832.170
9	4601.110	4647.665	4731.553	4775.456	4765.194
10	4534.848	4581.913	4657.621	4698.749	4689.956
11	4466.240	4508.429	4571.937	4609.719	4603.130
12	4394.490	4428.886	4483.071	4513.223	4504.043
13	4322.638	4345.508	4392.042	4417.421	4399.040
14	4244.258	4262.537	4299.953	4318.089	4294.648
15	4163.736	4179.057	4207.985	4220.124	4197.744
16	4080.643	4093.333	4117.059	4123.730	4105.002
17	3995.612	4010.464	4029.682	4026.805	4015.299
18	3917.946	3929.228	3946.793	3937.551	3930.248
19	3841.504	3848.420	3862.599	3851.174	3844.238
20	3770.122	3774.936	3782.913	3775.834	3759.880
21	3701.636	3702.227	3706.920	3702.901	3684.234
22	3638.924	3631.742	3634.925	3632.130	3620.114
23	3578.659	3566.868	3570.499	3565.521	3557.565
24	3521.251	3509.990	3512.826	3501.299	3495.016
25	3467.352	3454.030	3453.010	3438.485	3428.019
26	3408.231	3397.561	3388.931	3371.285	3357.249
27	3341.560	3327.708	3312.530	3292.945	3276.563
28	3256.468	3240.495	3216.381	3190.288	3181.985
29	3146.079	3127.107	3094.588	3062.762	3055.846
30	3002.376	2978.527	2943.295	2906.492	2895.985
31	2821.808	2796.510	2759.360	2722.904	2709.562
32	2609.679	2587.993	2556.331	2524.240	2516.815
33	2371.907	2357.096	2338.021	2317.110	2324.026
34	2124.771	2118.202	2116.019	2112.714	2128.566
35	1885.387	1885.469	1897.669	1912.663	1933.921
36	1667.771	1672.973	1697.230	1722.588	1745.784
37	1477.145	1486.754	1517.294	1547.773	1570.398
38	1321.548	1334.217	1365.695	1395.379	1414.392
39	1205.100	1218.789	1246.473	1270.648	1286.091
40	1121.456	1132.820	1154.444	1171.479	1184.352
41	1062.763	1071.270	1086.224	1096.608	1105.931
42	1021.512	1025.654	1035.385	1041.240	1045.973
43	988.667	990.156	996.256	998.684	998.765
44	959.351	959.718	963.145	963.084	960.820
45	932.197	931.708	933.340	931.769	929.158
46	904.595	903.942	904.901	902.514	899.434
47	876.136	875.483	875.544	873.300	870.199
48	847.024	846.208	845.840	843.474	840.393
49	816.892	815.708	815.933	813.097	810.159
50	785.556	784.638	784.719	782.088	779.191
51	753.853	753.282	753.180	750.589	748.079
52	721.803	721.456	721.416	719.008	716.438

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-827-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	690.284	689.713	689.692	687.489	684.816
54	658.826	658.132	657.826	655.337	652.603
55	626.878	625.695	625.552	622.594	620.044
56	592.523	591.748	591.523	588.545	586.035
57	558.474	557.270	556.862	553.884	551.415
58	524.588	523.282	522.731	519.814	517.856
59	490.825	489.600	488.988	486.092	484.235
60	458.040	456.735	456.225	453.369	451.573
61	425.950	424.624	424.420	421.584	420.095
62	395.063	393.716	393.410	390.921	389.493
63	364.829	363.727	363.401	361.218	359.871
64	335.431	334.615	334.391	332.432	331.310
65	307.625	306.870	306.809	305.054	304.361
66	280.410	280.063	280.084	278.390	277.758
67	254.827	254.521	254.297	252.930	252.502
68	230.285	229.918	229.877	228.714	228.449
69	206.600	206.355	206.375	205.396	205.437
70	184.383	184.261	184.097	183.383	183.445
71	163.309	163.289	163.023	162.595	162.677
72	143.602	143.622	143.500	143.030	143.418
73	125.119	125.098	125.057	124.690	125.037
74	108.002	107.921	108.002	107.778	108.063
75	92.130	92.110	92.192	92.069	92.253
76	77.380	77.340	77.483	77.380	77.585
77	63.896	63.875	64.161	63.998	64.222
78	51.594	51.553	51.900	51.839	52.063
79	40.618	40.577	40.904	41.047	41.128
80	30.887	30.928	31.275	31.417	31.479
81	22.400	22.482	22.747	22.992	23.053
82	14.770	14.893	15.199	15.423	15.586
83	10.119	10.221	10.731	11.016	11.139
84	9.384	9.384	9.405	9.425	9.344
85	8.691	8.691	8.691	8.691	8.609
86	7.793	7.793	7.773	7.752	7.691
87	6.549	6.569	6.549	6.549	6.467
88	4.998	4.978	4.957	4.957	4.896
89	3.040	3.040	3.019	3.040	2.979
90	1.224	1.326	1.571	1.693	1.693
91	1.102	1.122	1.122	1.142	1.102
92	1.183	1.183	1.183	1.183	1.163
93	1.244	1.244	1.265	1.244	1.224
94	1.326	1.326	1.326	1.326	1.326
95	1.408	1.408	1.428	1.428	1.408
96	1.489	1.510	1.510	1.510	1.489
97	1.591	1.591	1.612	1.612	1.591
98	1.714	1.693	1.693	1.714	1.714
99	1.856	1.816	1.816	1.836	1.795
100	1.897	1.918	1.918	1.938	1.897
101	0.000	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000
106	0.000	0.000	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.000

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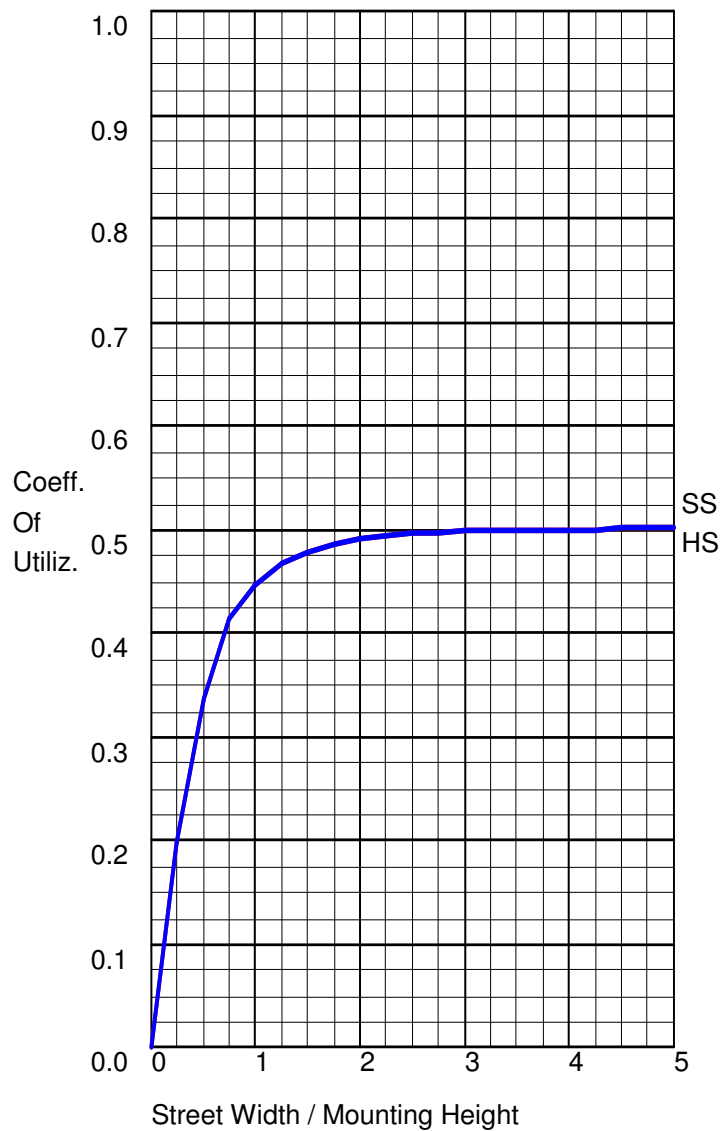
CANDELA TABULATION - (Cont.)

109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000
124	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000
127	0.000	0.000	0.000	0.000	0.000
128	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000
131	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000
133	0.000	0.000	0.000	0.000	0.000
134	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000
136	0.000	0.000	0.000	0.000	0.000
137	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000
139	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000
142	0.000	0.000	0.000	0.000	0.000
143	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000
146	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000
148	0.000	0.000	0.000	0.000	0.000
149	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000
151	0.000	0.000	0.000	0.000	0.000
152	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000
154	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000
157	0.000	0.000	0.000	0.000	0.000
158	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000
161	0.000	0.000	0.000	0.000	0.000
162	0.000	0.000	0.000	0.000	0.000
163	0.000	0.000	0.000	0.000	0.000
164	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-827-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

165	0.000	0.000	0.000	0.000	0.000
166	0.000	0.000	0.000	0.000	0.000
167	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000
169	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000
172	0.000	0.000	0.000	0.000	0.000
173	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000
176	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

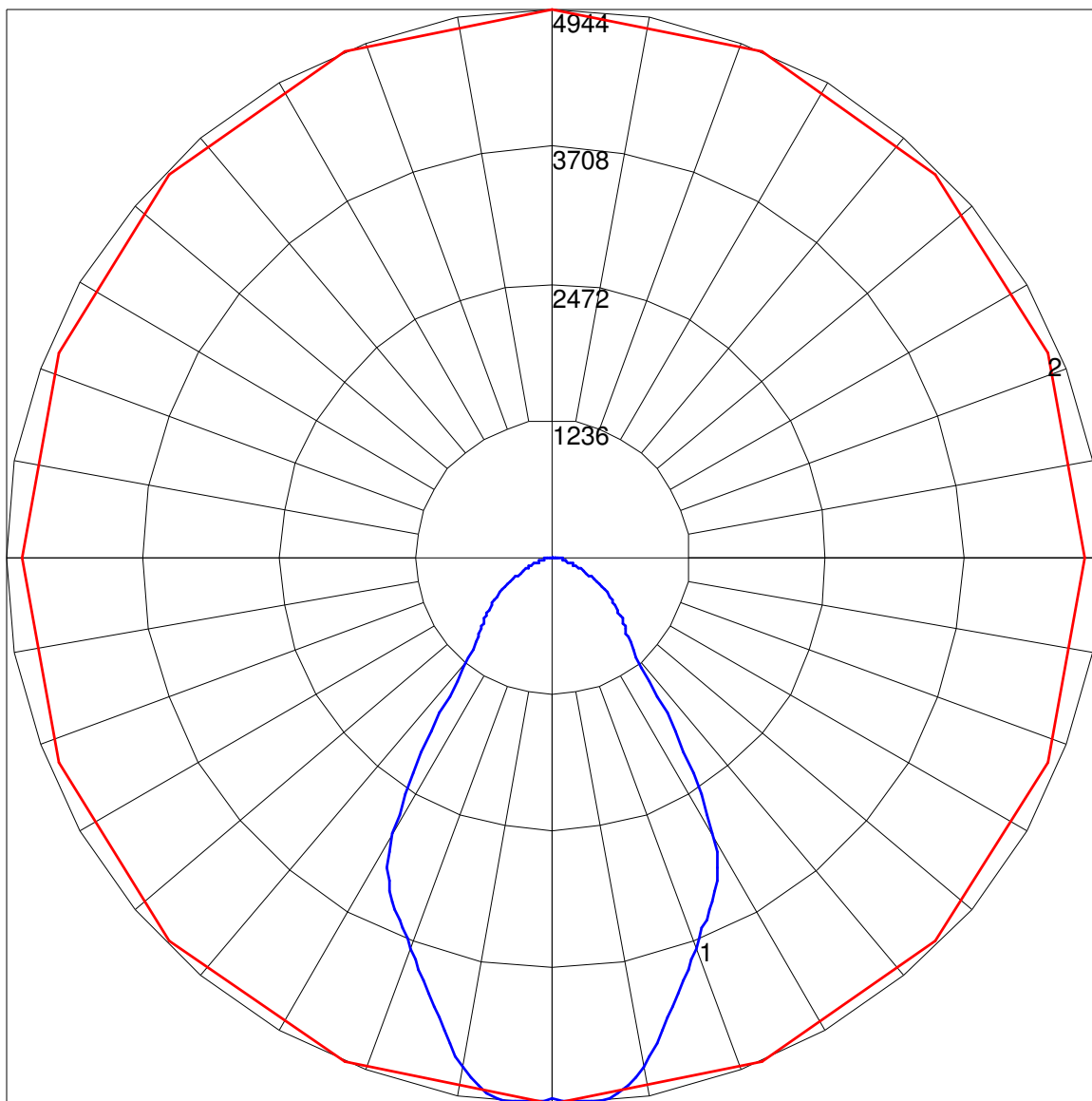
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

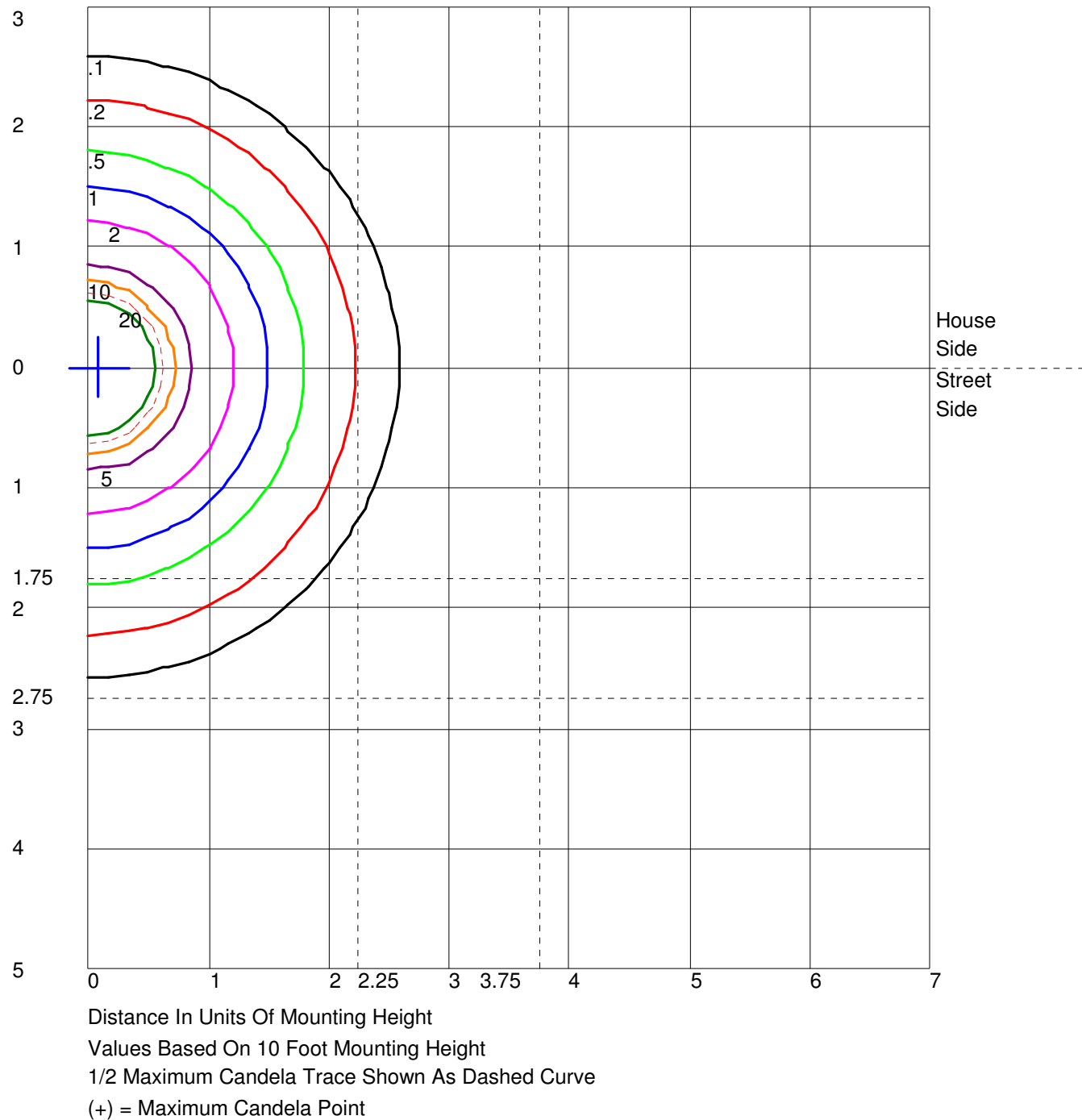
	Lumens	Percent Of Luminaire
Downward Street Side	3056.9	50.0
Downward House Side	3056.9	50.0
Downward Total	6113.8	100.0
Upward Street Side	0.8	0.0
Upward House Side	0.8	0.0
Upward Total	1.6	0.0
Total Flux	6115.4	100.0

POLAR GRAPH

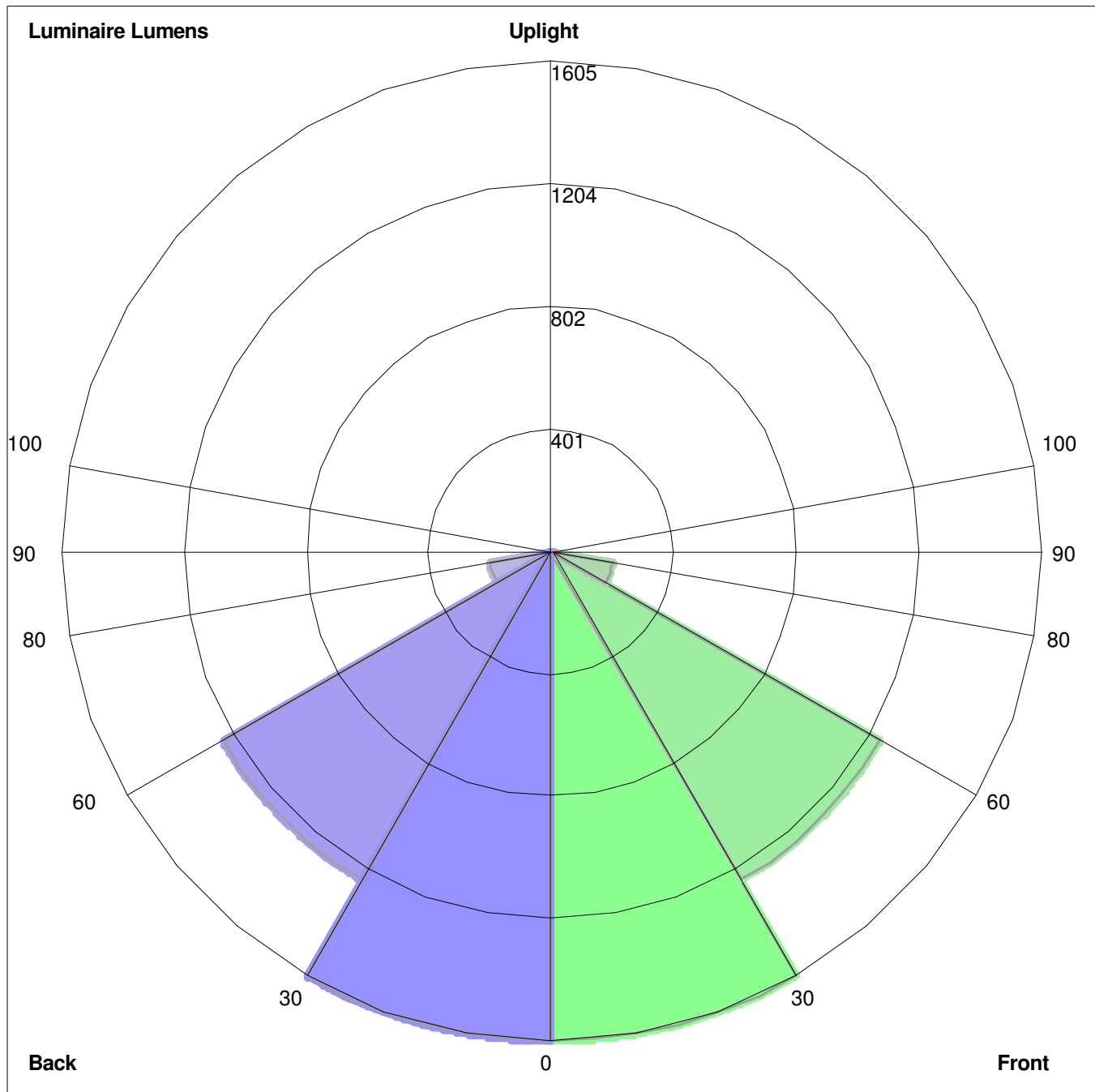


Maximum Candela = 4943.539 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1604.8, Medium=1241.9, High=204.4, Very High=5.7
Back: Low=1604.8, Medium=1241.9, High=204.4, Very High=5.7
Uplight: Low=1.6, High=0.1

BUG Rating : B3-U1-G0