

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-830-XXX-DIM-UNV-M-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-W_(V22)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L50-830-xxx-DIM-UNV-M-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH MEDIUM 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	4667
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9381.105
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	9381.105
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.361 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.795 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-830-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1930.1	N.A.	41.4
FM - Front-Medium (30-60)	376.9	N.A.	8.1
FH - Front-High (60-80)	25.0	N.A.	0.5
FVH - Front-Very High (80-90)	1.1	N.A.	0.0
BL - Back-Low (0-30)	1930.1	N.A.	41.4
BM - Back-Medium (30-60)	376.9	N.A.	8.1
BH - Back-High (60-80)	25.0	N.A.	0.5
BVH - Back-Very High (80-90)	1.1	N.A.	0.0
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	4666.5	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-830-XXX-DIM-UNV-M-XXX_.IES****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	8829.011	8829.011	8829.011	8829.011	8829.011
1	8824.792	8833.654	8850.279	8868.033	8873.413
2	8781.488	8807.351	8874.808	8938.611	8960.459
3	8713.263	8771.215	8918.614	9047.364	9091.060
4	8617.183	8719.599	8963.047	9160.948	9234.177
5	8506.155	8655.185	8987.200	9242.254	9342.381
6	8375.366	8566.680	8972.724	9260.981	9381.105
7	8224.596	8444.250	8898.084	9205.820	9328.265
8	8051.036	8287.049	8759.594	9064.726	9174.875
9	7853.355	8087.345	8551.153	8839.488	8940.399
10	7622.329	7852.272	8283.505	8541.805	8639.109
11	7362.241	7577.253	7958.061	8175.991	8263.821
12	7078.187	7261.863	7587.808	7765.728	7838.376
13	6767.831	6915.073	7189.371	7331.029	7382.504
14	6424.900	6544.899	6772.678	6876.036	6910.854
15	6056.027	6158.052	6338.873	6407.663	6433.636
16	5673.039	5758.266	5897.133	5939.495	5959.947
17	5289.000	5353.273	5459.972	5481.035	5502.522
18	4903.455	4958.726	5040.973	5044.549	5058.868
19	4532.606	4572.459	4638.395	4629.847	4636.325
20	4178.429	4208.496	4256.128	4243.016	4242.483
21	3845.693	3864.890	3900.806	3888.055	3883.680
22	3546.049	3551.649	3579.786	3566.266	3565.952
23	3280.299	3277.398	3297.207	3281.413	3286.181
24	3044.098	3038.091	3052.442	3028.586	3039.345
25	2836.127	2826.999	2832.787	2808.382	2818.577
26	2648.421	2638.838	2635.043	2612.395	2610.999
27	2474.407	2460.166	2450.426	2428.892	2425.708
28	2303.310	2288.739	2268.256	2245.639	2249.466
29	2127.256	2113.627	2090.477	2064.332	2066.136
30	1950.372	1925.858	1902.347	1873.755	1877.755
31	1751.718	1730.717	1703.113	1677.878	1671.996
32	1539.842	1521.774	1499.158	1478.377	1470.927
33	1318.447	1305.884	1293.838	1281.370	1281.338
34	1098.666	1091.656	1091.295	1094.588	1102.948
35	889.034	888.547	899.056	917.484	932.149
36	704.495	705.891	727.190	752.708	767.874
37	543.201	554.321	575.337	607.333	614.939
38	423.500	427.374	453.080	474.881	481.500
39	319.358	328.675	354.835	375.052	383.035
40	252.074	260.182	277.764	291.801	296.585
41	207.421	215.263	225.678	235.982	241.989
42	177.245	182.311	188.883	196.850	197.682
43	156.197	158.252	163.428	166.831	167.584
44	140.623	141.799	144.920	146.363	146.316
45	128.170	129.017	131.024	131.385	131.354
46	117.630	118.446	119.826	119.889	120.014
47	108.157	108.973	110.071	110.165	110.353
48	99.735	100.409	101.382	101.601	101.774
49	92.144	92.630	93.634	93.869	94.026
50	85.196	85.588	86.560	86.921	87.015
51	78.922	79.236	80.224	80.632	80.757
52	73.307	73.605	74.499	74.954	75.017

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-830-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	68.288	68.571	69.433	69.935	69.966
54	63.834	64.101	64.869	65.277	65.293
55	59.772	59.929	60.682	61.011	61.074
56	55.882	56.023	56.713	56.996	57.059
57	52.322	52.463	53.028	53.247	53.341
58	49.201	49.326	49.812	49.954	50.032
59	46.346	46.440	46.848	46.942	46.989
60	43.774	43.805	44.166	44.213	44.245
61	41.422	41.406	41.704	41.720	41.704
62	39.210	39.179	39.430	39.414	39.367
63	37.140	37.108	37.312	37.265	37.203
64	35.195	35.117	35.305	35.226	35.148
65	33.313	33.234	33.376	33.266	33.172
66	31.431	31.384	31.462	31.368	31.258
67	29.643	29.596	29.627	29.517	29.439
68	27.902	27.839	27.871	27.714	27.620
69	26.177	26.098	26.098	25.910	25.832
70	24.436	24.342	24.326	24.169	24.044
71	22.742	22.632	22.585	22.428	22.318
72	21.048	20.907	20.860	20.703	20.593
73	19.323	19.197	19.150	18.993	18.868
74	17.613	17.519	17.456	17.299	17.221
75	15.951	15.872	15.794	15.668	15.606
76	14.304	14.241	14.147	14.053	14.022
77	12.673	12.641	12.579	12.484	12.453
78	11.057	11.010	10.995	10.932	10.932
79	9.426	9.410	9.410	9.395	9.379
80	7.764	7.764	7.779	7.795	7.779
81	5.929	5.944	5.913	5.913	5.882
82	3.419	3.388	3.498	3.498	3.545
83	1.490	1.506	1.757	1.898	2.008
84	1.380	1.380	1.380	1.380	1.365
85	1.270	1.270	1.270	1.255	1.239
86	1.145	1.129	1.129	1.114	1.114
87	0.957	0.957	0.957	0.941	0.941
88	0.753	0.753	0.753	0.753	0.737
89	0.518	0.518	0.518	0.502	0.502
90	0.298	0.329	0.345	0.361	0.345
91	0.298	0.298	0.298	0.298	0.282
92	0.314	0.314	0.314	0.298	0.298
93	0.314	0.314	0.314	0.298	0.298
94	0.314	0.314	0.314	0.314	0.298
95	0.329	0.314	0.329	0.314	0.298
96	0.329	0.329	0.329	0.314	0.329
97	0.345	0.329	0.329	0.314	0.329
98	0.361	0.329	0.345	0.314	0.329
99	0.361	0.329	0.345	0.329	0.329
100	0.361	0.345	0.345	0.329	0.329
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

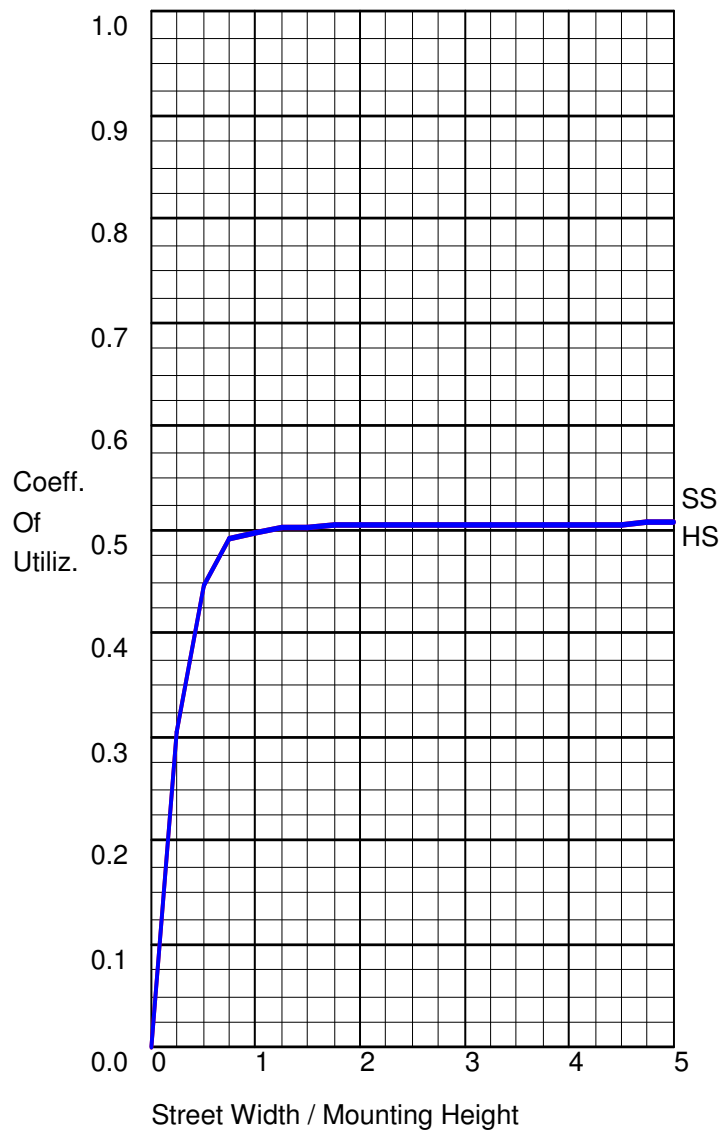
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-830-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L50-830-XXX-DIM-UNV-M-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

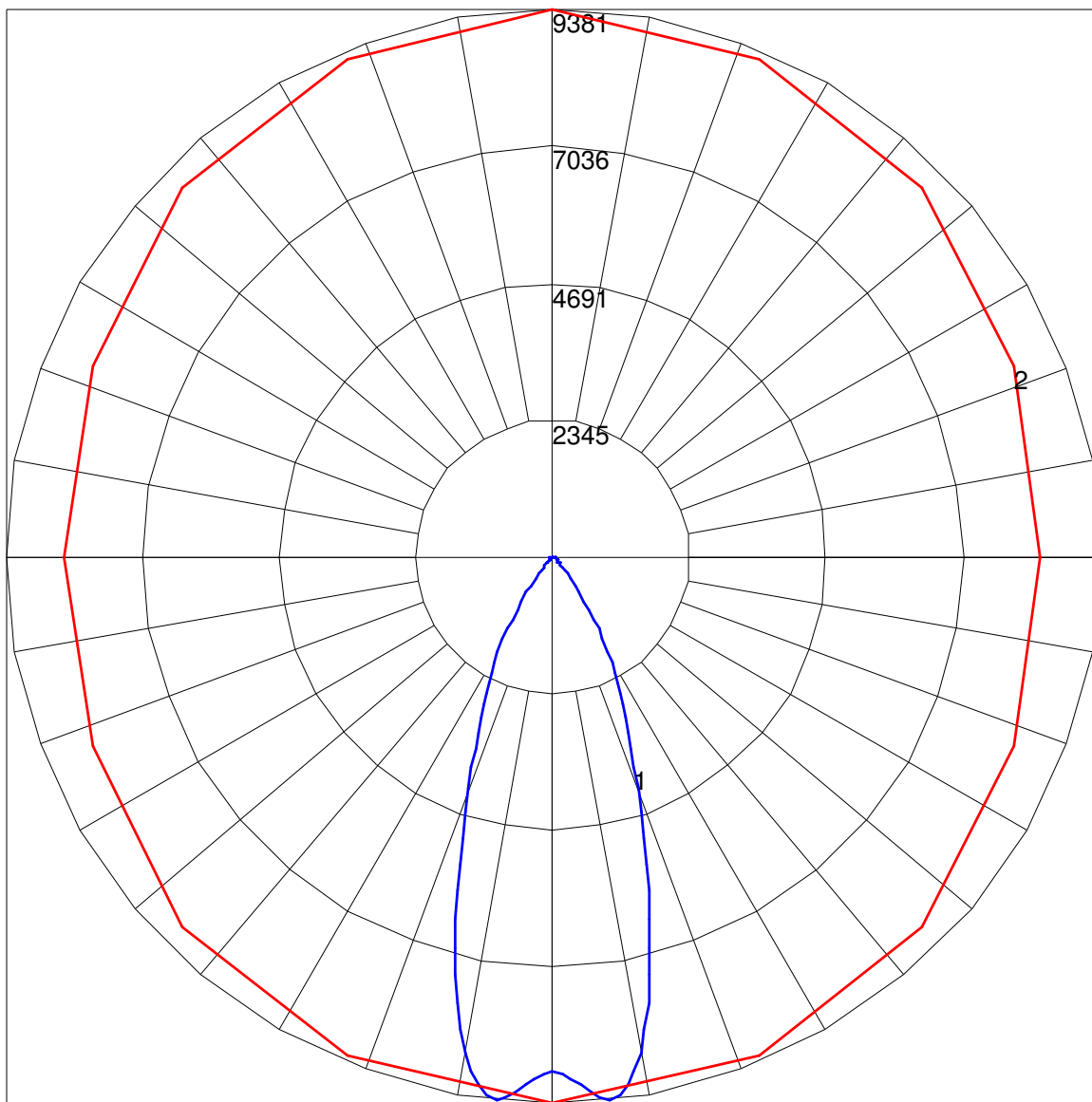
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

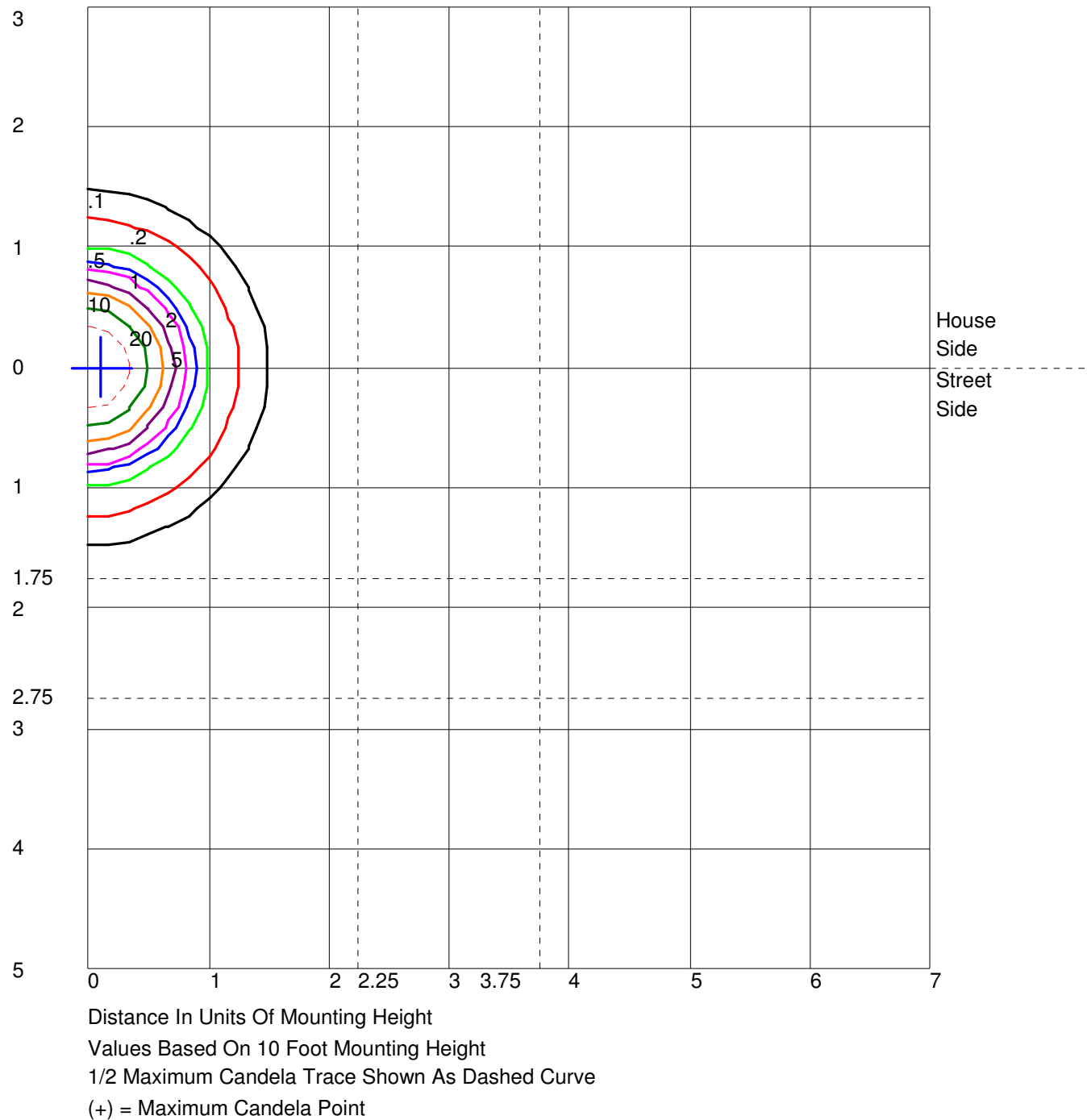
	Lumens	Percent Of Luminaire
Downward Street Side	2333.1	50.0
Downward House Side	2333.1	50.0
Downward Total	4666.2	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	4666.6	100.0

POLAR GRAPH

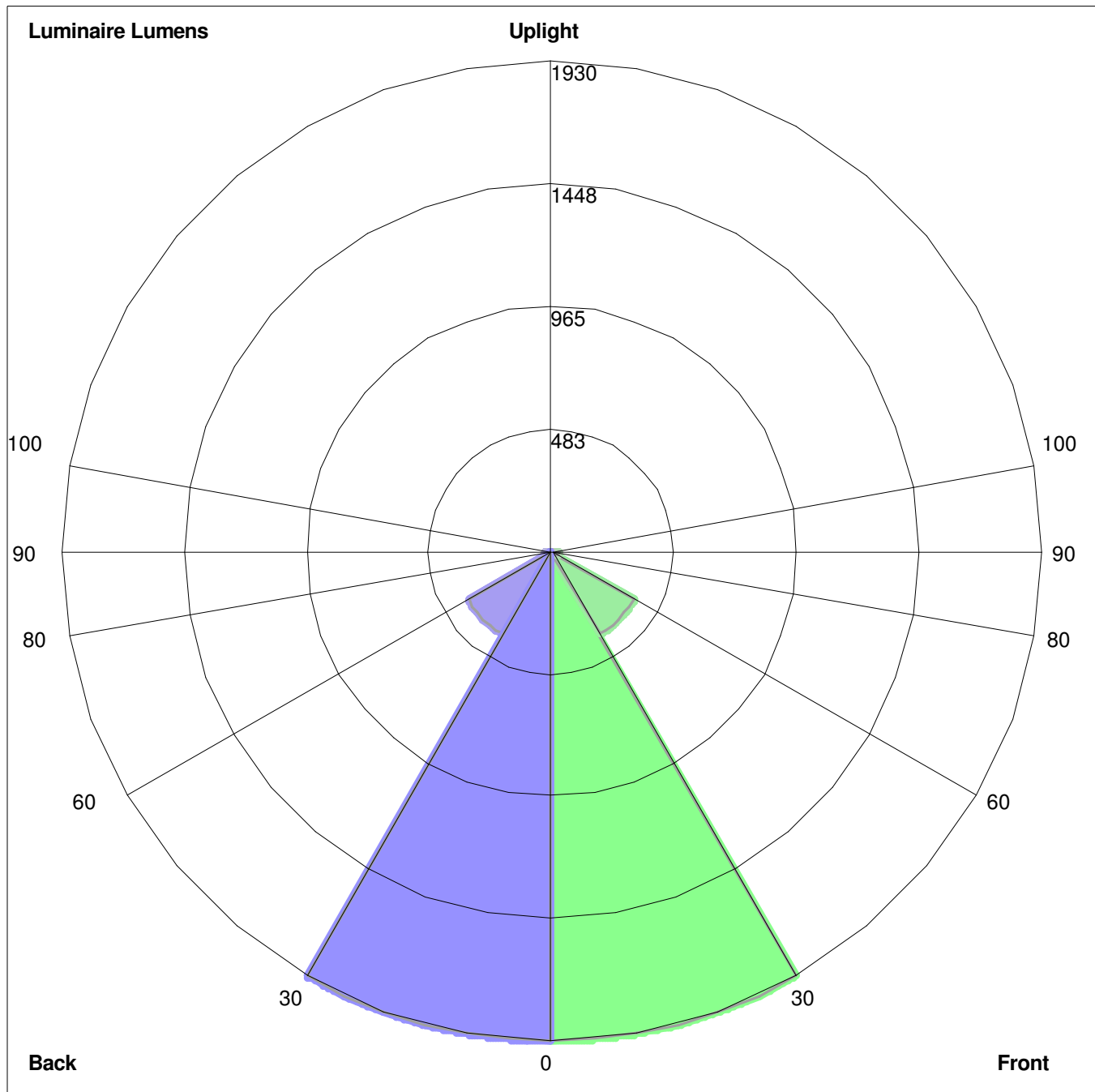


Maximum Candela = 9381.105 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1930.1, Medium=376.9, High=25.0, Very High=1.1
Back: Low=1930.1, Medium=376.9, High=25.0, Very High=1.1
Uplight: Low=0.3, High=0.0

BUG Rating : B3-U1-G0