

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-930-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-L50-930-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	4914
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3972.134
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	3972.134
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.361 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	25.293 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-930-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1289.4	N.A.	26.2
FM - Front-Medium (30-60)	997.9	N.A.	20.3
FH - Front-High (60-80)	164.3	N.A.	3.3
FVH - Front-Very High (80-90)	4.6	N.A.	0.1
BL - Back-Low (0-30)	1289.4	N.A.	26.2
BM - Back-Medium (30-60)	997.9	N.A.	20.3
BH - Back-High (60-80)	164.3	N.A.	3.3
BVH - Back-Very High (80-90)	4.6	N.A.	0.1
UL - Uplight-Low (90-100)	1.3	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	4913.8	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-930-XXX-DIM-UNV-W-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	3937.612	3937.612	3937.612	3937.612	3937.612
1	3941.366	3942.185	3947.382	3947.037	3945.201
2	3930.235	3934.760	3946.316	3951.332	3949.217
3	3913.253	3921.892	3946.988	3960.217	3959.708
4	3890.960	3906.418	3946.546	3971.052	3970.970
5	3861.012	3886.075	3940.235	3971.855	3972.134
6	3828.309	3858.782	3923.744	3959.561	3958.676
7	3789.149	3824.769	3893.779	3930.809	3928.039
8	3746.185	3782.887	3852.586	3889.681	3882.649
9	3696.992	3734.399	3801.803	3837.079	3828.834
10	3643.751	3681.567	3742.398	3775.445	3768.380
11	3588.624	3622.523	3673.552	3703.910	3698.615
12	3530.973	3558.610	3602.148	3626.375	3618.999
13	3473.240	3491.616	3529.006	3549.398	3534.628
14	3410.262	3424.949	3455.012	3469.585	3450.750
15	3345.562	3357.872	3381.116	3390.870	3372.888
16	3278.797	3288.993	3308.057	3313.417	3298.369
17	3210.475	3222.408	3237.850	3235.538	3226.293
18	3148.070	3157.135	3171.248	3163.823	3157.954
19	3086.649	3092.206	3103.598	3094.419	3088.845
20	3029.293	3033.161	3039.571	3033.883	3021.064
21	2974.265	2974.740	2978.510	2975.281	2960.282
22	2923.875	2918.105	2920.662	2918.417	2908.762
23	2875.453	2865.978	2868.896	2864.896	2858.504
24	2829.326	2820.277	2822.556	2813.294	2808.245
25	2786.018	2775.314	2774.494	2762.823	2754.414
26	2738.513	2729.940	2723.006	2708.827	2697.550
27	2684.944	2673.814	2661.618	2645.882	2632.719
28	2616.573	2603.738	2584.362	2563.397	2556.725
29	2527.875	2512.630	2486.501	2460.930	2455.373
30	2412.409	2393.247	2364.937	2335.366	2326.924
31	2267.322	2246.996	2217.146	2187.854	2177.133
32	2096.877	2079.453	2054.012	2028.227	2022.261
33	1905.827	1893.927	1878.600	1861.798	1867.355
34	1707.254	1701.975	1700.221	1697.566	1710.303
35	1514.909	1514.974	1524.777	1536.825	1553.905
36	1340.054	1344.234	1363.724	1384.100	1402.738
37	1186.886	1194.607	1219.146	1243.636	1261.815
38	1061.864	1072.043	1097.336	1121.187	1136.464
39	968.298	979.297	1001.541	1020.966	1033.374
40	901.090	910.221	927.596	941.284	951.627
41	853.930	860.766	872.781	881.125	888.616
42	820.785	824.113	831.932	836.636	840.439
43	794.394	795.591	800.492	802.442	802.508
44	770.838	771.134	773.887	773.838	772.019
45	749.021	748.627	749.939	748.676	746.578
46	726.842	726.318	727.088	725.170	722.695
47	703.975	703.451	703.500	701.697	699.205
48	680.584	679.928	679.633	677.731	675.256
49	656.372	655.422	655.602	653.324	650.963
50	631.194	630.457	630.522	628.408	626.080
51	605.721	605.262	605.180	603.098	601.082
52	579.969	579.690	579.657	577.723	575.658

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-930-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	554.643	554.184	554.168	552.397	550.250
54	529.366	528.809	528.563	526.563	524.367
55	503.696	502.746	502.631	500.254	498.205
56	476.092	475.469	475.289	472.896	470.879
57	448.734	447.767	447.439	445.046	443.062
58	421.506	420.457	420.015	417.671	416.097
59	394.378	393.394	392.902	390.575	389.083
60	368.035	366.986	366.577	364.282	362.839
61	342.251	341.185	341.021	338.743	337.546
62	317.433	316.351	316.105	314.105	312.958
63	293.140	292.255	291.992	290.239	289.157
64	269.519	268.863	268.683	267.109	266.208
65	247.176	246.570	246.521	245.111	244.554
66	225.309	225.031	225.047	223.687	223.178
67	204.754	204.508	204.328	203.229	202.885
68	185.034	184.739	184.706	183.772	183.559
69	166.003	165.806	165.822	165.036	165.068
70	148.152	148.053	147.922	147.349	147.398
71	131.219	131.202	130.989	130.645	130.711
72	115.384	115.400	115.302	114.925	115.236
73	100.533	100.516	100.484	100.189	100.467
74	86.780	86.714	86.780	86.599	86.829
75	74.027	74.010	74.076	73.978	74.125
76	62.175	62.142	62.257	62.175	62.339
77	51.340	51.324	51.553	51.422	51.602
78	41.456	41.423	41.702	41.652	41.833
79	32.637	32.604	32.866	32.981	33.046
80	24.818	24.850	25.129	25.244	25.293
81	17.999	18.064	18.277	18.474	18.523
82	11.868	11.966	12.212	12.392	12.524
83	8.130	8.212	8.622	8.852	8.950
84	7.540	7.540	7.557	7.573	7.508
85	6.983	6.983	6.983	6.983	6.917
86	6.262	6.262	6.245	6.229	6.180
87	5.262	5.278	5.262	5.262	5.196
88	4.016	4.000	3.983	3.983	3.934
89	2.442	2.442	2.426	2.442	2.393
90	0.984	1.065	1.262	1.361	1.361
91	0.885	0.902	0.902	0.918	0.885
92	0.951	0.951	0.951	0.951	0.934
93	1.000	1.000	1.016	1.000	0.984
94	1.065	1.065	1.065	1.065	1.065
95	1.131	1.131	1.147	1.147	1.131
96	1.197	1.213	1.213	1.213	1.197
97	1.279	1.279	1.295	1.295	1.279
98	1.377	1.361	1.361	1.377	1.377
99	1.492	1.459	1.459	1.475	1.443
100	1.524	1.541	1.541	1.557	1.524
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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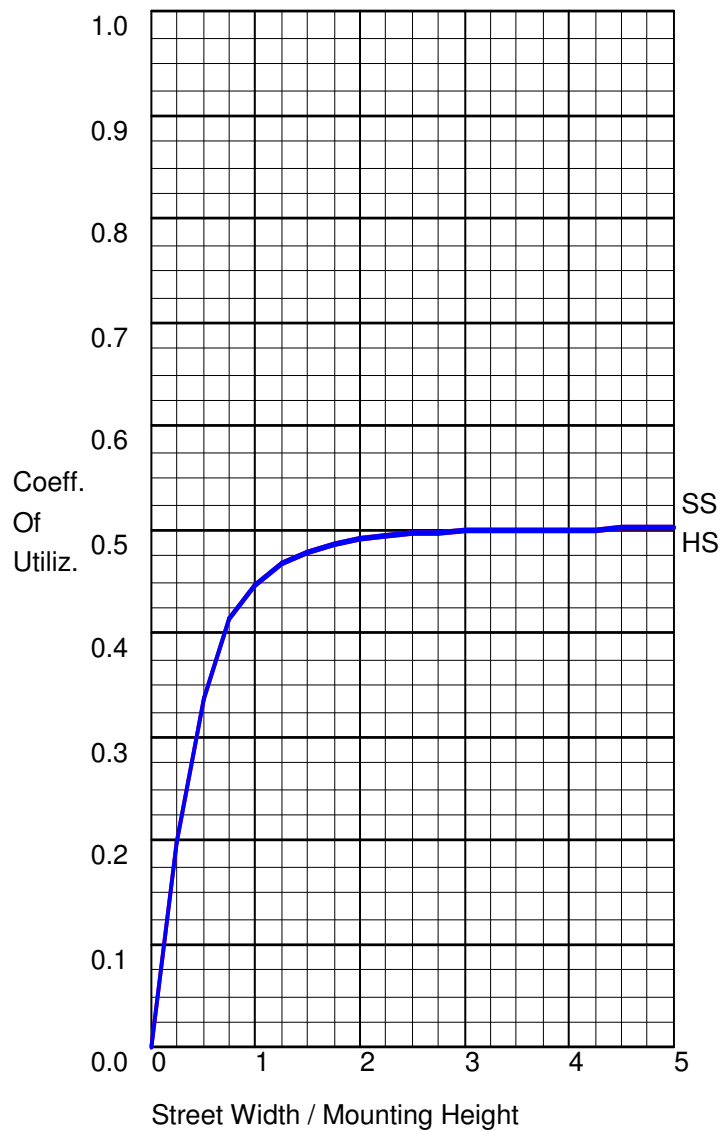
CANDELA TABULATION - (Cont.)

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-L50-930-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

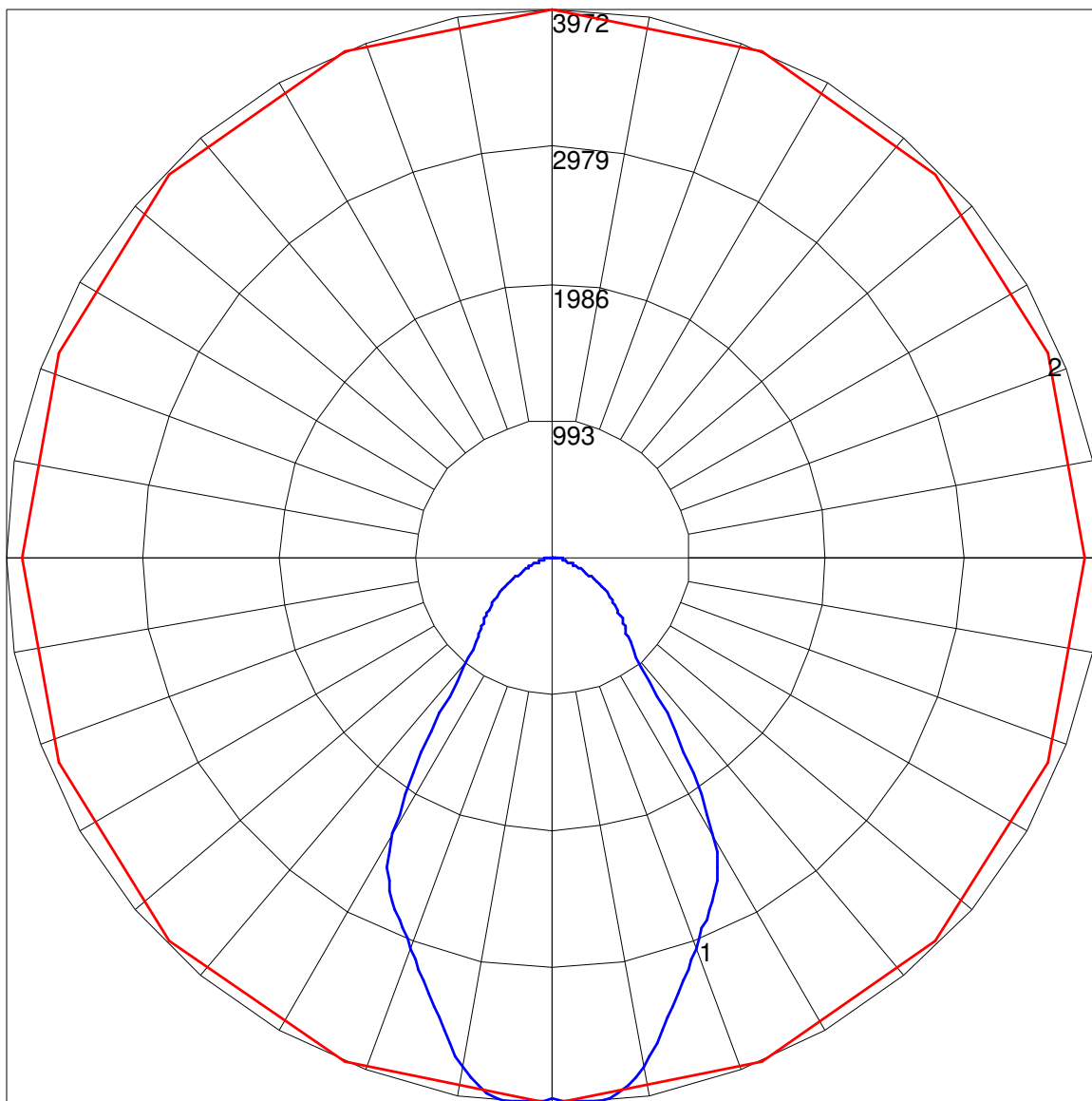
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

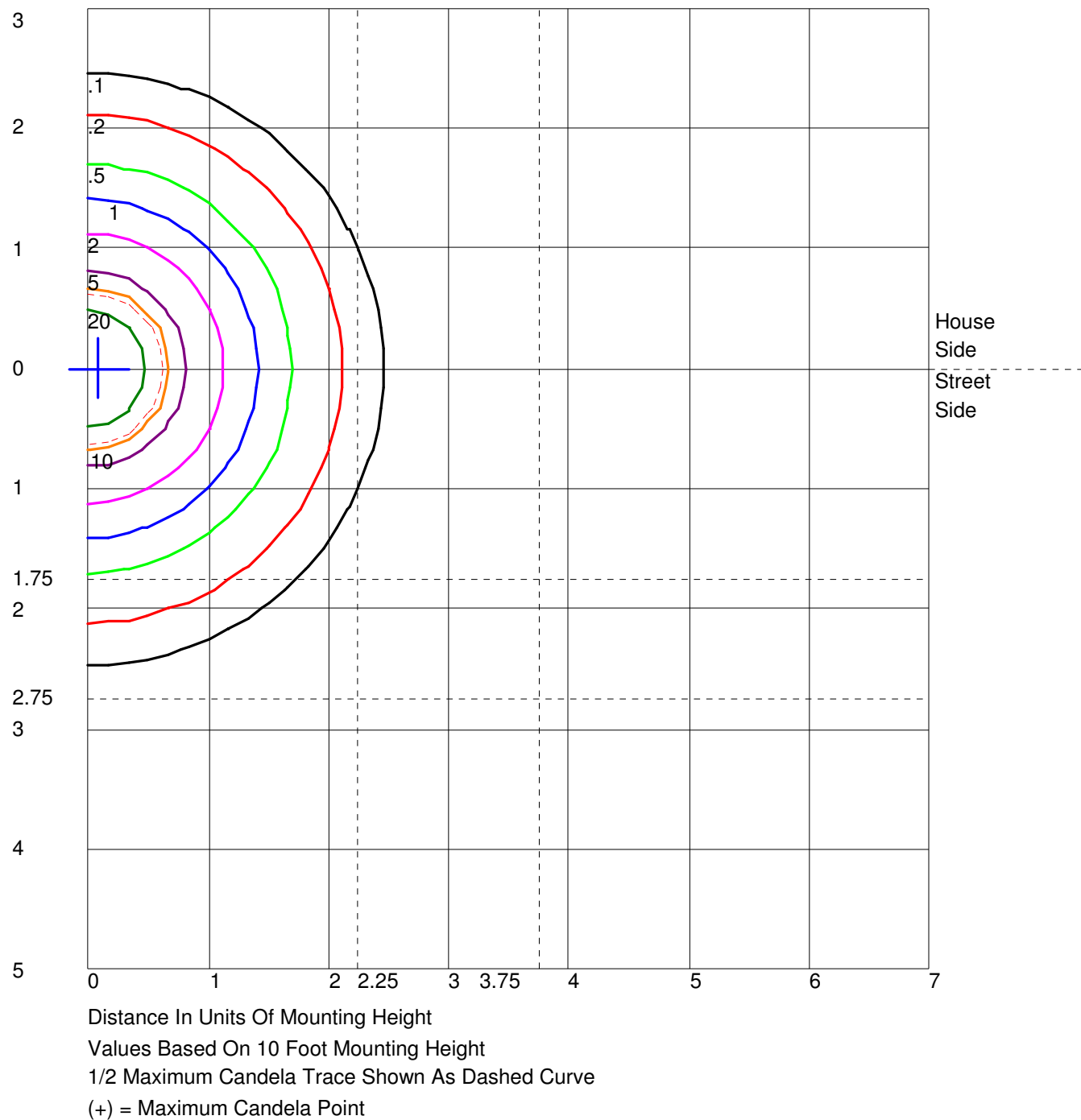
	Lumens	Percent Of Luminaire
Downward Street Side	2456.2	50.0
Downward House Side	2456.2	50.0
Downward Total	4912.4	100.0
Upward Street Side	0.7	0.0
Upward House Side	0.7	0.0
Upward Total	1.4	0.0
Total Flux	4913.8	100.0

POLAR GRAPH

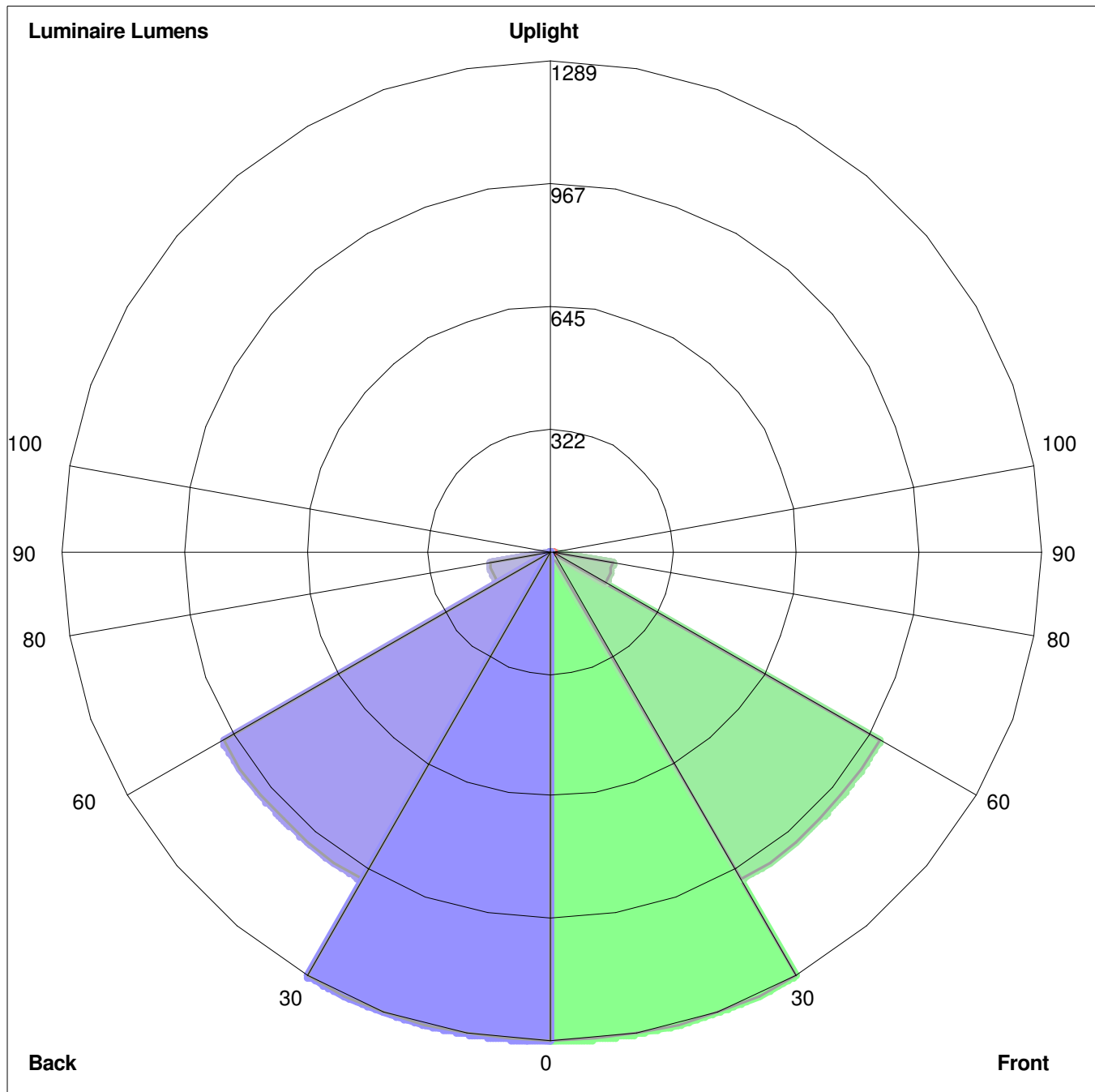


Maximum Candela = 3972.134 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1289.4, Medium=997.9, High=164.3, Very High=4.6
Back: Low=1289.4, Medium=997.9, High=164.3, Very High=4.6
Uplight: Low=1.3, High=0.1

BUG Rating : B3-U1-G0