

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-927-XXX-DIM-UNV-W-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L30-927-xxx-DIM-UNV-W-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH WIDE DIST
[LAMPCAT] BL VERO 18
[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	2862
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2396.363
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2396.363
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.796 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	14.001 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-927-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	764.7	N.A.	26.7
FM - Front-Medium (30-60)	570.8	N.A.	19.9
FH - Front-High (60-80)	92.5	N.A.	3.2
FVH - Front-Very High (80-90)	2.6	N.A.	0.1
BL - Back-Low (0-30)	764.7	N.A.	26.7
BM - Back-Medium (30-60)	570.8	N.A.	19.9
BH - Back-High (60-80)	92.5	N.A.	3.2
BVH - Back-Very High (80-90)	2.6	N.A.	0.1
UL - Uplight-Low (90-100)	0.8	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	2862.0	N.A.	100.0
BUG Rating	B2-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	2396.363	2396.363	2396.363	2396.363	2396.363
1	2395.020	2395.797	2395.327	2394.156	2394.636
2	2393.523	2393.340	2392.381	2390.788	2390.461
3	2389.713	2389.742	2388.273	2386.364	2384.118
4	2383.101	2383.907	2382.189	2378.907	2377.382
5	2371.672	2372.209	2370.367	2366.931	2366.154
6	2356.778	2356.059	2352.191	2348.487	2348.295
7	2334.304	2332.865	2326.963	2324.189	2322.712
8	2302.607	2302.224	2296.696	2294.383	2292.195
9	2265.230	2265.297	2261.411	2258.609	2257.073
10	2223.812	2224.331	2220.502	2218.861	2218.371
11	2178.048	2179.554	2176.743	2176.407	2176.388
12	2130.863	2132.677	2130.949	2132.197	2131.621
13	2084.551	2085.837	2086.835	2087.564	2086.211
14	2037.693	2039.497	2042.126	2043.258	2040.188
15	1991.218	1993.924	1996.793	1998.281	1994.797
16	1945.674	1949.666	1951.806	1954.387	1952.123
17	1902.721	1906.512	1907.394	1911.885	1909.870
18	1860.027	1864.614	1865.651	1870.737	1868.558
19	1821.796	1825.452	1827.083	1831.104	1829.636
20	1786.548	1788.257	1790.281	1793.986	1790.886
21	1753.672	1753.806	1756.032	1759.535	1755.034
22	1724.010	1720.085	1724.182	1725.862	1724.125
23	1696.343	1690.874	1695.000	1695.518	1696.036
24	1669.052	1664.829	1667.056	1667.084	1667.526
25	1642.883	1639.745	1638.574	1638.583	1639.428
26	1615.687	1612.318	1608.470	1608.806	1607.971
27	1583.837	1578.434	1573.559	1572.369	1573.789
28	1540.961	1534.598	1527.852	1527.017	1529.397
29	1484.611	1478.959	1468.096	1468.230	1470.984
30	1409.348	1404.262	1391.479	1393.044	1395.164
31	1315.141	1310.420	1298.338	1300.689	1302.397
32	1205.081	1202.308	1191.704	1196.339	1197.970
33	1084.389	1083.564	1076.587	1082.489	1084.523
34	961.365	962.871	959.417	966.662	967.094
35	846.967	847.274	847.486	855.969	855.268
36	745.045	744.930	749.191	757.684	757.991
37	660.589	660.972	666.893	675.348	674.311
38	594.144	596.476	602.934	609.383	608.836
39	547.391	550.481	555.461	560.662	560.490
40	515.454	517.969	521.452	524.609	524.955
41	493.575	494.678	497.135	498.978	498.997
42	476.849	477.242	478.883	479.910	479.113
43	462.780	462.771	463.855	464.210	463.068
44	449.480	449.480	449.989	449.979	448.866
45	436.112	436.199	436.535	436.448	435.306
46	422.466	422.649	422.754	422.687	421.766
47	408.120	408.389	408.533	408.504	407.659
48	393.630	393.841	393.946	393.918	393.217
49	378.813	379.043	379.178	379.015	378.218
50	363.814	363.814	363.929	363.872	363.104
51	348.633	348.633	348.690	348.623	347.971
52	333.288	333.442	333.432	333.355	332.645

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-927-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	318.261	318.337	318.261	318.203	317.301
54	303.300	303.204	303.127	302.878	301.937
55	288.176	287.898	287.812	287.370	286.458
56	272.122	271.901	271.805	271.287	270.433
57	255.904	255.674	255.587	254.944	254.061
58	240.041	239.725	239.504	238.880	238.045
59	224.294	224.044	223.689	223.161	222.394
60	208.969	208.671	208.441	207.827	207.184
61	193.970	193.739	193.528	193.039	192.425
62	179.594	179.354	179.086	178.692	178.107
63	165.603	165.440	165.152	164.816	164.259
64	152.063	151.919	151.727	151.362	150.988
65	139.386	139.108	139.002	138.724	138.465
66	126.805	126.853	126.527	126.469	126.124
67	114.848	114.963	114.781	114.666	114.378
68	103.630	103.630	103.563	103.457	103.323
69	92.844	92.882	92.777	92.748	92.690
70	82.662	82.758	82.662	82.662	82.653
71	73.124	73.191	73.095	73.143	73.152
72	64.161	64.266	64.170	64.228	64.305
73	55.793	55.860	55.822	55.898	55.927
74	48.068	48.106	48.116	48.221	48.183
75	40.909	40.967	40.995	41.082	41.024
76	34.297	34.316	34.383	34.479	34.441
77	28.280	28.309	28.415	28.482	28.453
78	22.849	22.830	22.993	23.012	23.002
79	17.974	17.993	18.147	18.214	18.166
80	13.771	13.761	13.915	14.001	13.963
81	10.095	10.143	10.278	10.364	10.316
82	6.833	6.900	6.996	7.005	7.053
83	4.721	4.741	4.923	5.028	5.153
84	4.376	4.385	4.376	4.376	4.357
85	4.059	4.069	4.059	4.050	4.030
86	3.637	3.637	3.627	3.627	3.599
87	3.061	3.071	3.052	3.052	3.032
88	2.341	2.322	2.322	2.322	2.303
89	1.430	1.430	1.430	1.420	1.401
90	0.624	0.624	0.701	0.768	0.796
91	0.547	0.547	0.547	0.547	0.537
92	0.557	0.566	0.566	0.566	0.566
93	0.595	0.605	0.605	0.605	0.605
94	0.624	0.633	0.643	0.643	0.633
95	0.672	0.672	0.681	0.672	0.672
96	0.710	0.720	0.720	0.720	0.710
97	0.758	0.768	0.768	0.758	0.758
98	0.806	0.806	0.806	0.806	0.796
99	0.854	0.854	0.854	0.864	0.854
100	0.892	0.902	0.892	0.912	0.892
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

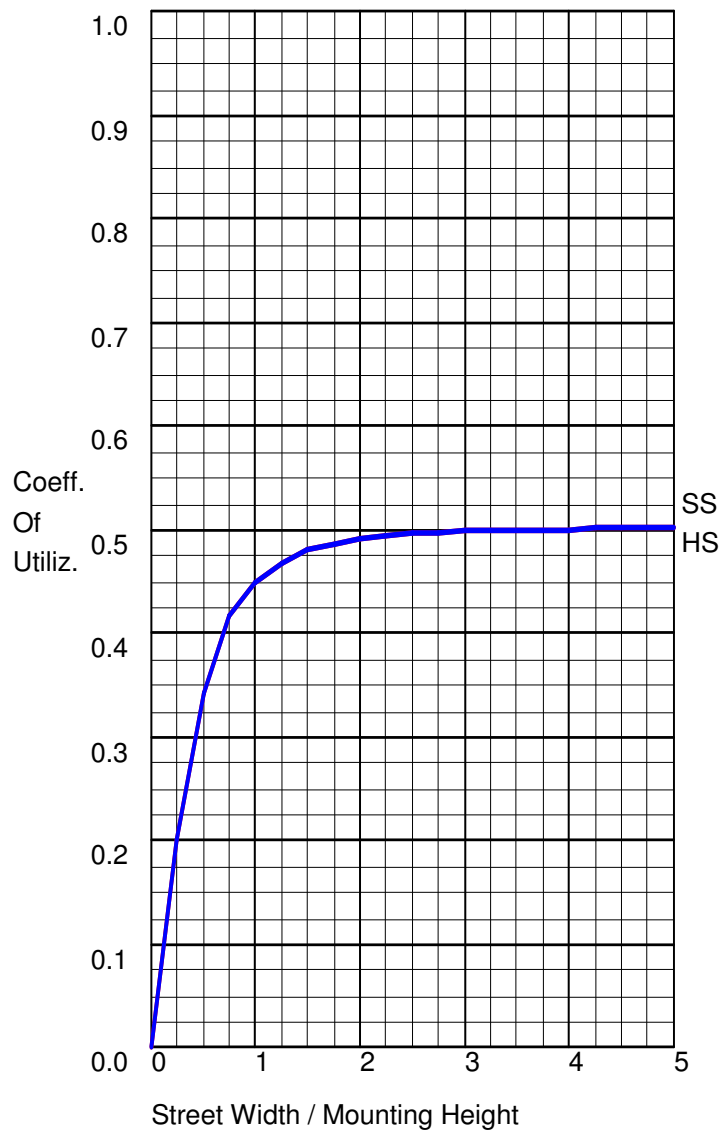
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-927-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L30-927-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

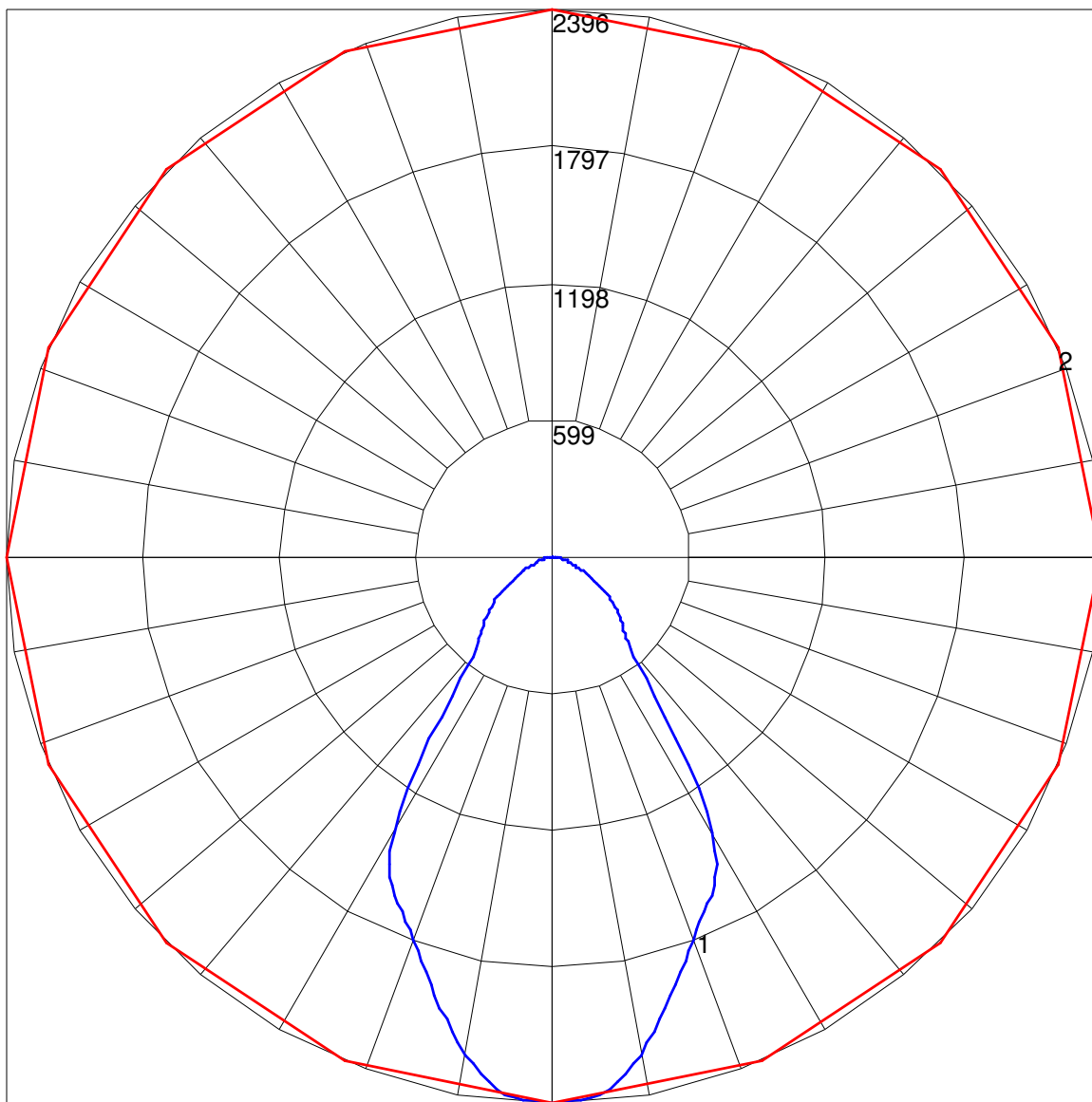
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1430.5	50.0
Downward House Side	1430.5	50.0
Downward Total	2861.0	100.0
Upward Street Side	0.4	0.0
Upward House Side	0.4	0.0
Upward Total	0.8	0.0
Total Flux	2861.8	100.0

POLAR GRAPH

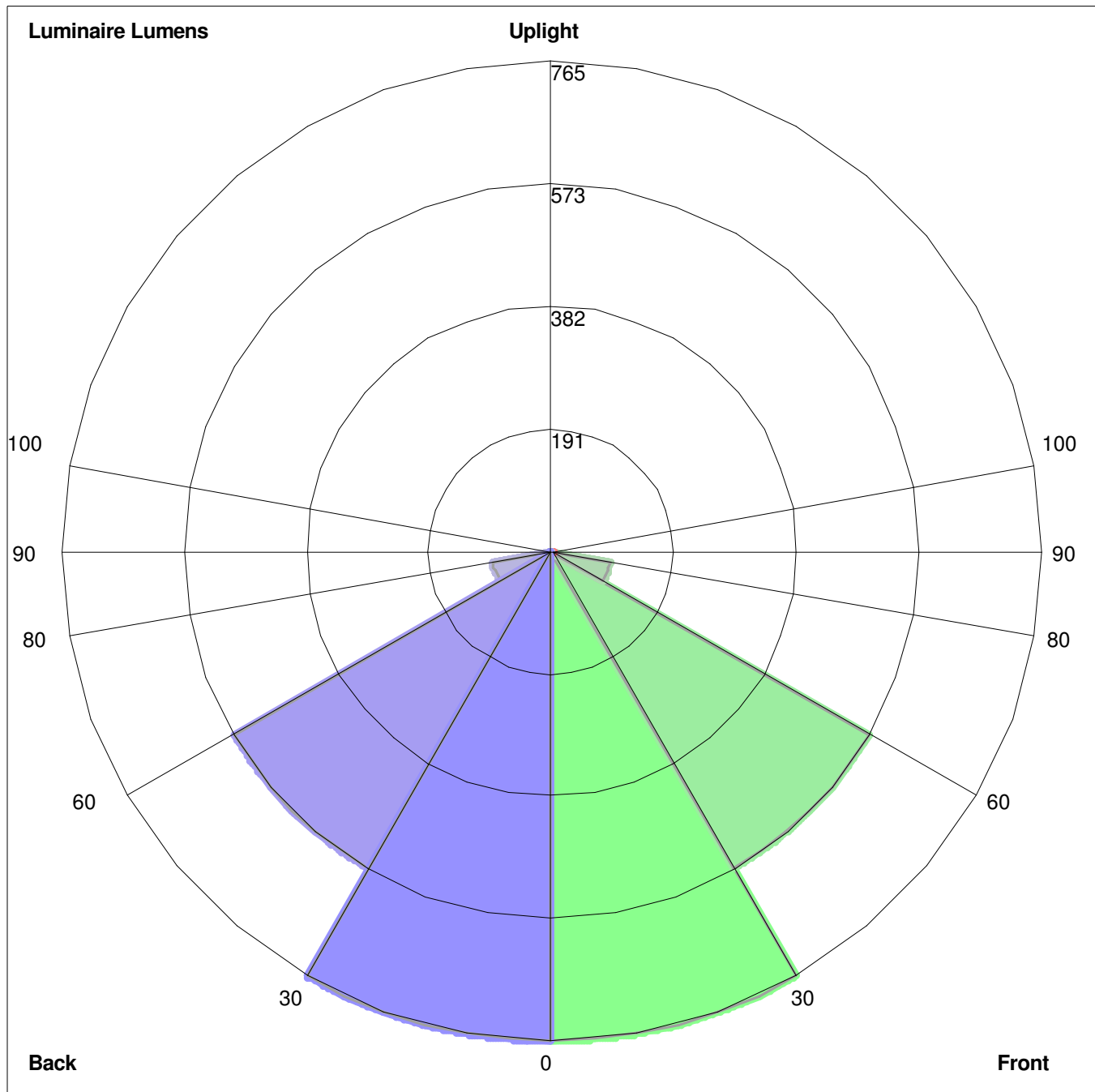


Maximum Candela = 2396.363 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=764.7, Medium=570.8, High=92.5, Very High=2.6
Back: Low=764.7, Medium=570.8, High=92.5, Very High=2.6
Uplight: Low=0.8, High=0.0

BUG Rating : B2-U1-G0