

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-935-XXX-DIM-UNV-N-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] W6CR\_Angela-M\_(V18)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-07-15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CR-xx-L10-935-xxx-DIM-UNV-N-xxx  
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED  
[MORE] CYLINDER WITH NARROW DIST.  
[LAMPCAT] BL V18 COB  
[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	929
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2738.294
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2738.294
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.084 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.84 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-935-XXX-DIM-UNV-N-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	364.3	N.A.	39.2
FM - Front-Medium (30-60)	93.1	N.A.	10.0
FH - Front-High (60-80)	6.9	N.A.	0.7
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	364.3	N.A.	39.2
BM - Back-Medium (30-60)	93.1	N.A.	10.0
BH - Back-High (60-80)	6.9	N.A.	0.7
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.1	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	929.3	N.A.	100.0
BUG Rating	B1-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	2738.294	2738.294	2738.294	2738.294	2738.294
1	2720.681	2719.917	2720.390	2720.366	2719.374
2	2672.636	2671.923	2671.591	2671.768	2670.763
3	2595.722	2594.207	2593.909	2594.432	2592.230
4	2489.991	2489.154	2487.760	2488.075	2486.711
5	2357.874	2357.358	2359.104	2359.272	2359.999
6	2208.636	2208.117	2210.727	2213.975	2216.806
7	2047.673	2048.524	2053.477	2058.899	2061.087
8	1880.493	1882.836	1889.256	1897.188	1899.759
9	1717.328	1719.419	1727.140	1737.291	1741.959
10	1562.072	1564.143	1573.070	1583.452	1589.296
11	1417.582	1419.342	1427.827	1438.741	1445.142
12	1285.633	1287.781	1295.773	1306.339	1310.927
13	1167.925	1170.204	1178.642	1189.986	1191.722
14	1064.353	1067.969	1076.350	1083.347	1086.551
15	977.020	977.435	983.347	991.125	995.397
16	895.370	897.877	905.886	912.980	918.567
17	828.801	830.798	835.657	842.795	846.418
18	772.150	773.789	778.082	784.375	787.237
19	724.689	725.956	729.645	734.347	737.336
20	685.116	685.565	688.363	691.915	694.355
21	650.663	650.261	652.563	655.388	657.446
22	621.371	619.491	621.475	623.566	625.607
23	595.119	592.418	594.056	595.457	597.766
24	570.216	568.249	568.735	569.871	572.311
25	547.496	545.650	545.174	545.921	547.851
26	525.017	523.318	521.920	522.721	524.102
27	502.313	499.931	498.275	498.439	500.313
28	477.136	474.372	471.393	471.433	473.222
29	447.255	445.726	442.369	442.493	445.043
30	415.768	413.663	407.651	408.807	411.056
31	376.590	374.680	370.035	369.904	372.314
32	332.667	331.746	328.029	329.520	330.827
33	286.191	285.839	283.426	285.913	287.377
34	239.563	239.899	239.165	242.070	243.397
35	195.939	196.381	197.226	200.885	201.743
36	157.666	157.907	160.474	164.365	165.367
37	125.562	127.057	129.487	134.051	133.917
38	100.543	102.507	105.801	108.257	108.777
39	84.528	84.049	86.874	89.283	89.803
40	70.410	71.559	74.451	75.966	77.353
41	62.126	62.803	64.361	65.400	65.966
42	56.245	56.607	57.776	58.433	58.745
43	51.721	51.952	52.887	53.266	53.604
44	47.944	48.175	48.832	49.154	49.288
45	44.617	44.871	45.461	45.619	45.766
46	41.534	41.805	42.301	42.512	42.633
47	38.625	38.876	39.355	39.570	39.687
48	35.880	36.135	36.587	36.835	36.953
49	33.317	33.545	33.970	34.231	34.342
50	30.904	31.088	31.514	31.768	31.882
51	28.649	28.826	29.218	29.480	29.597
52	26.554	26.705	27.074	27.338	27.429

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-935-XXX-DIM-UNV-N-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	24.597	24.745	25.083	25.351	25.431
54	22.798	22.928	23.226	23.478	23.565
55	21.088	21.196	21.491	21.708	21.809
56	19.426	19.530	19.805	20.009	20.103
57	17.851	17.955	18.210	18.391	18.485
58	16.434	16.524	16.756	16.920	17.014
59	15.127	15.204	15.412	15.566	15.656
60	13.920	13.994	14.189	14.319	14.403
61	12.828	12.888	13.066	13.183	13.244
62	11.829	11.890	12.041	12.148	12.198
63	10.915	10.968	11.109	11.196	11.236
64	10.090	10.117	10.251	10.325	10.348
65	9.329	9.350	9.470	9.527	9.551
66	8.612	8.636	8.730	8.787	8.797
67	7.952	7.976	8.059	8.103	8.113
68	7.342	7.366	7.433	7.470	7.473
69	6.776	6.783	6.850	6.876	6.873
70	6.240	6.246	6.300	6.320	6.313
71	5.734	5.734	5.777	5.794	5.781
72	5.261	5.248	5.285	5.295	5.291
73	4.792	4.782	4.812	4.816	4.805
74	4.340	4.333	4.353	4.360	4.350
75	3.907	3.897	3.911	3.921	3.907
76	3.478	3.468	3.478	3.485	3.478
77	3.053	3.050	3.063	3.063	3.063
78	2.637	2.634	2.647	2.647	2.654
79	2.222	2.218	2.239	2.242	2.245
80	1.806	1.806	1.826	1.840	1.836
81	1.361	1.374	1.384	1.394	1.387
82	0.791	0.811	0.831	0.828	0.834
83	0.395	0.395	0.429	0.446	0.473
84	0.359	0.359	0.362	0.359	0.359
85	0.332	0.332	0.332	0.332	0.332
86	0.295	0.298	0.298	0.295	0.298
87	0.251	0.251	0.255	0.251	0.251
88	0.194	0.198	0.198	0.194	0.194
89	0.131	0.131	0.131	0.131	0.131
90	0.074	0.077	0.080	0.084	0.084
91	0.070	0.074	0.070	0.070	0.067
92	0.074	0.074	0.074	0.074	0.067
93	0.074	0.074	0.074	0.074	0.067
94	0.074	0.077	0.077	0.074	0.070
95	0.077	0.077	0.077	0.074	0.074
96	0.077	0.080	0.080	0.077	0.080
97	0.084	0.084	0.084	0.084	0.084
98	0.087	0.087	0.084	0.087	0.087
99	0.090	0.094	0.090	0.087	0.090
100	0.090	0.094	0.094	0.090	0.090
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

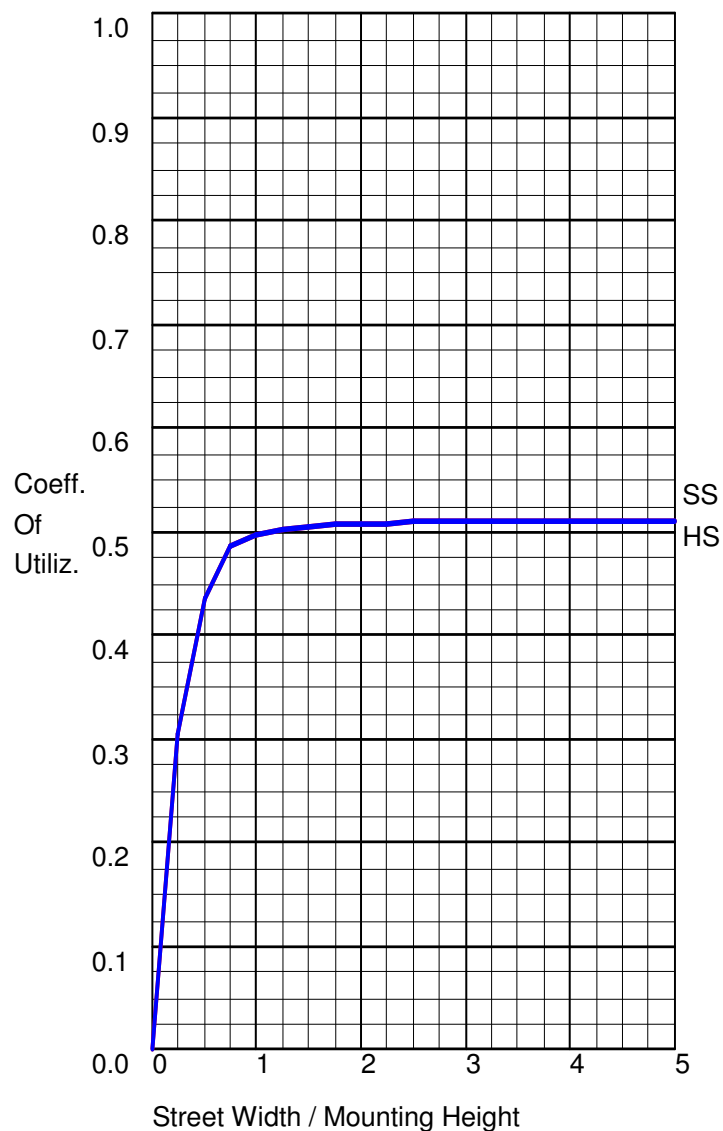
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-935-XXX-DIM-UNV-N-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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

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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

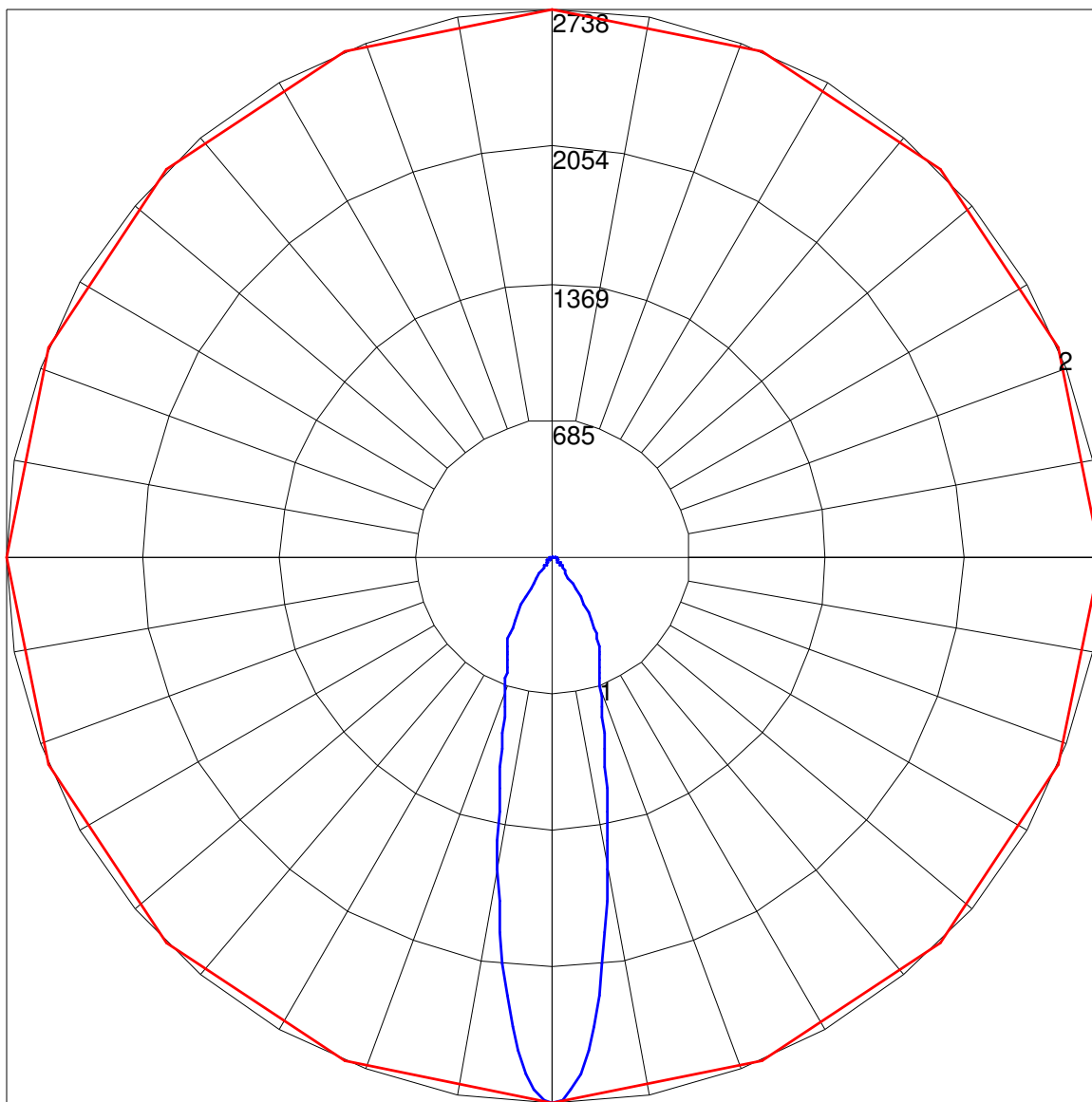
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	464.5	50.0
Downward House Side	464.5	50.0
Downward Total	929.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	929.0	100.0

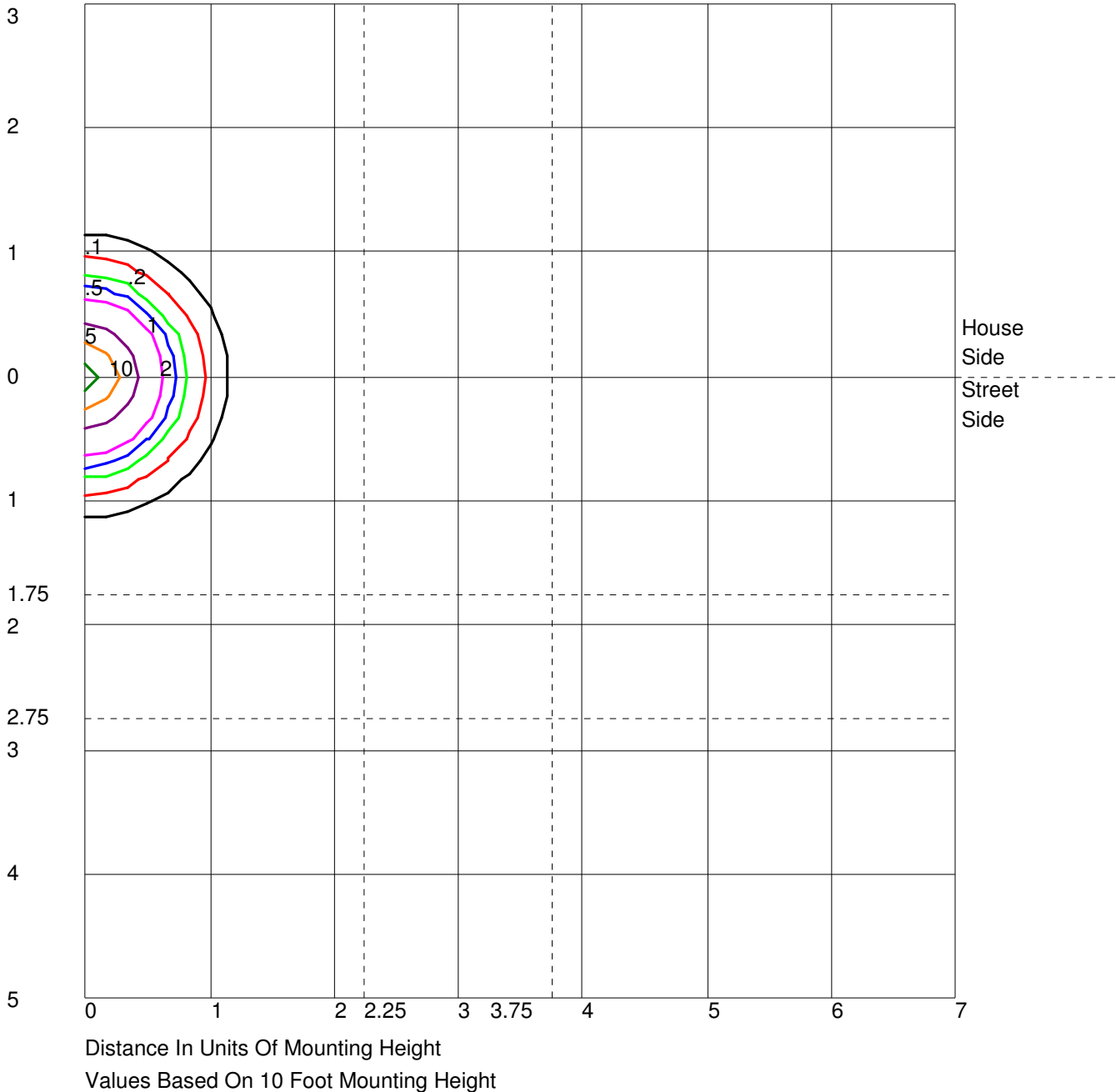
POLAR GRAPH



Maximum Candela = 2738.294 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.)



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



# PHOTO IES R

