

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-950-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-L40-950-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	3439
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10133.863
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	10133.863
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.31 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.809 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-N-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1348.0	N.A.	39.2
FM - Front-Medium (30-60)	344.6	N.A.	10.0
FH - Front-High (60-80)	25.4	N.A.	0.7
FVH - Front-Very High (80-90)	1.0	N.A.	0.0
BL - Back-Low (0-30)	1348.0	N.A.	39.2
BM - Back-Medium (30-60)	344.6	N.A.	10.0
BH - Back-High (60-80)	25.4	N.A.	0.7
BVH - Back-Very High (80-90)	1.0	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	3438.3	N.A.	100.0
BUG Rating	B3-U1-G0		

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-N-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	10133.863	10133.863	10133.863	10133.863	10133.863
1	10068.679	10065.852	10067.600	10067.513	10063.843
2	9890.876	9888.234	9887.006	9887.664	9883.943
3	9606.231	9600.626	9599.522	9601.456	9593.308
4	9214.944	9211.844	9206.685	9207.850	9202.803
5	8726.006	8724.096	8730.557	8731.177	8733.869
6	8173.707	8171.785	8181.446	8193.463	8203.943
7	7578.015	7581.165	7599.495	7619.561	7627.659
8	6959.318	6967.986	6991.748	7021.103	7030.615
9	6355.477	6363.216	6391.790	6429.354	6446.630
10	5780.905	5788.569	5821.608	5860.028	5881.657
11	5246.180	5252.691	5284.092	5324.484	5348.172
12	4757.862	4765.811	4795.389	4834.492	4851.470
13	4322.251	4330.684	4361.912	4403.891	4410.316
14	3938.951	3952.332	3983.349	4009.244	4021.100
15	3615.749	3617.287	3639.164	3667.948	3683.760
16	3313.581	3322.857	3352.498	3378.752	3399.426
17	3067.221	3074.612	3092.595	3119.010	3132.417
18	2857.569	2863.634	2879.520	2902.811	2913.402
19	2681.924	2686.612	2700.266	2717.665	2728.728
20	2535.472	2537.133	2547.489	2560.635	2569.663
21	2407.969	2406.481	2415.001	2425.456	2433.071
22	2299.566	2292.609	2299.950	2307.689	2315.242
23	2202.411	2192.415	2198.479	2203.663	2212.208
24	2110.254	2102.974	2104.772	2108.976	2118.005
25	2026.170	2019.336	2017.575	2020.341	2027.484
26	1942.979	1936.691	1931.520	1934.484	1939.593
27	1858.957	1850.140	1844.013	1844.621	1851.553
28	1765.783	1755.552	1744.527	1744.675	1751.298
29	1655.197	1649.542	1637.115	1637.574	1647.012
30	1538.670	1530.882	1508.633	1512.912	1521.233
31	1393.682	1386.613	1369.424	1368.940	1377.857
32	1231.132	1227.722	1213.968	1219.487	1224.324
33	1059.133	1057.830	1048.901	1058.103	1063.523
34	886.575	887.815	885.099	895.851	900.762
35	725.129	726.766	729.891	743.434	746.609
36	583.489	584.382	593.882	608.280	611.988
37	464.680	470.212	479.203	496.094	495.598
38	372.089	379.357	391.547	400.638	402.560
39	312.821	311.048	321.502	330.419	332.342
40	260.573	264.827	275.529	281.135	286.269
41	229.916	232.421	238.188	242.032	244.128
42	208.151	209.490	213.818	216.249	217.402
43	191.408	192.264	195.724	197.125	198.378
44	177.432	178.287	180.718	181.909	182.405
45	165.117	166.059	168.242	168.825	169.370
46	153.707	154.712	156.547	157.328	157.775
47	142.942	143.872	145.646	146.440	146.874
48	132.785	133.728	135.402	136.320	136.754
49	123.298	124.141	125.716	126.684	127.093
50	114.369	115.051	116.626	117.568	117.990
51	106.022	106.680	108.131	109.098	109.532
52	98.271	98.829	100.194	101.173	101.508

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-N-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	91.029	91.574	92.827	93.819	94.117
54	84.369	84.853	85.956	86.887	87.209
55	78.044	78.441	79.532	80.338	80.710
56	71.893	72.277	73.294	74.051	74.398
57	66.064	66.448	67.391	68.061	68.408
58	60.818	61.153	62.009	62.616	62.964
59	55.981	56.267	57.036	57.606	57.941
60	51.517	51.790	52.509	52.993	53.303
61	47.474	47.697	48.354	48.788	49.012
62	43.778	44.001	44.559	44.956	45.142
63	40.392	40.591	41.112	41.434	41.583
64	37.342	37.441	37.937	38.210	38.297
65	34.526	34.601	35.047	35.258	35.345
66	31.872	31.959	32.307	32.517	32.555
67	29.429	29.516	29.826	29.987	30.025
68	27.172	27.259	27.507	27.643	27.656
69	25.076	25.101	25.349	25.448	25.436
70	23.092	23.117	23.315	23.390	23.365
71	21.219	21.219	21.381	21.443	21.393
72	19.471	19.421	19.558	19.595	19.582
73	17.734	17.697	17.809	17.821	17.784
74	16.060	16.035	16.110	16.135	16.097
75	14.460	14.423	14.473	14.510	14.460
76	12.873	12.836	12.873	12.898	12.873
77	11.298	11.286	11.335	11.335	11.335
78	9.760	9.748	9.797	9.797	9.822
79	8.222	8.210	8.284	8.297	8.309
80	6.685	6.685	6.759	6.809	6.796
81	5.035	5.085	5.122	5.159	5.134
82	2.927	3.001	3.076	3.063	3.088
83	1.463	1.463	1.587	1.649	1.749
84	1.327	1.327	1.339	1.327	1.327
85	1.228	1.228	1.228	1.228	1.228
86	1.091	1.104	1.104	1.091	1.104
87	0.930	0.930	0.943	0.930	0.930
88	0.719	0.732	0.732	0.719	0.719
89	0.484	0.484	0.484	0.484	0.484
90	0.273	0.285	0.298	0.310	0.310
91	0.260	0.273	0.260	0.260	0.248
92	0.273	0.273	0.273	0.273	0.248
93	0.273	0.273	0.273	0.273	0.248
94	0.273	0.285	0.285	0.273	0.260
95	0.285	0.285	0.285	0.273	0.273
96	0.285	0.298	0.298	0.285	0.298
97	0.310	0.310	0.310	0.310	0.310
98	0.322	0.322	0.310	0.322	0.322
99	0.335	0.347	0.335	0.322	0.335
100	0.335	0.347	0.347	0.335	0.335
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

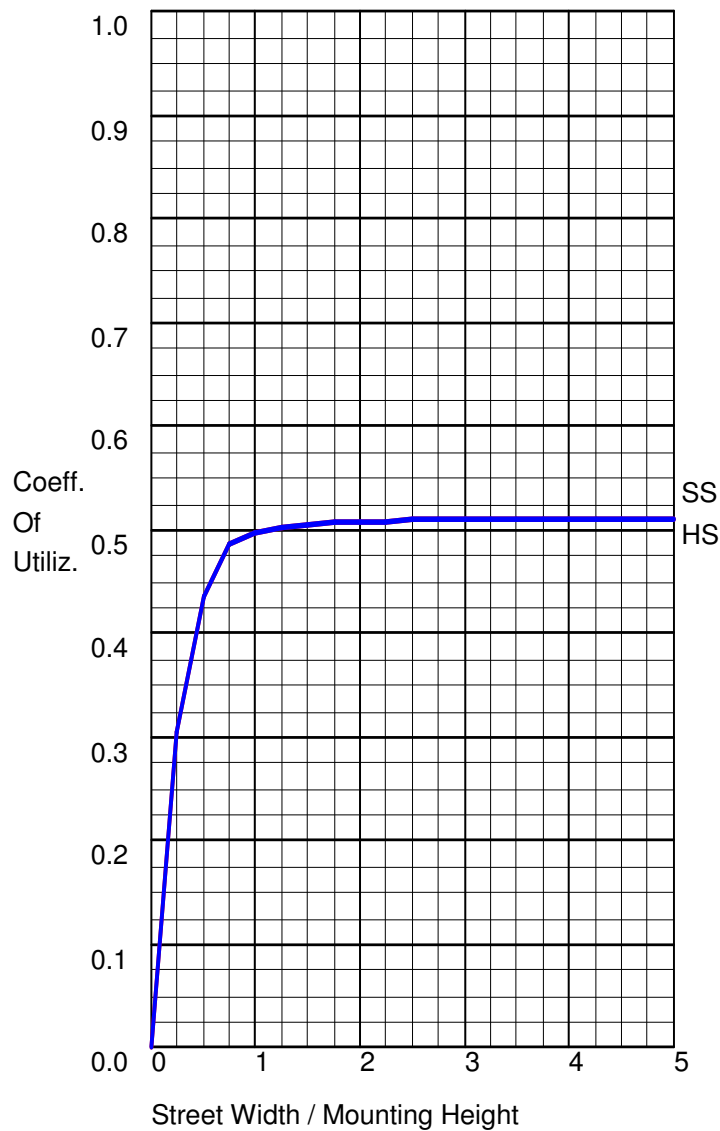
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-N-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-N-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

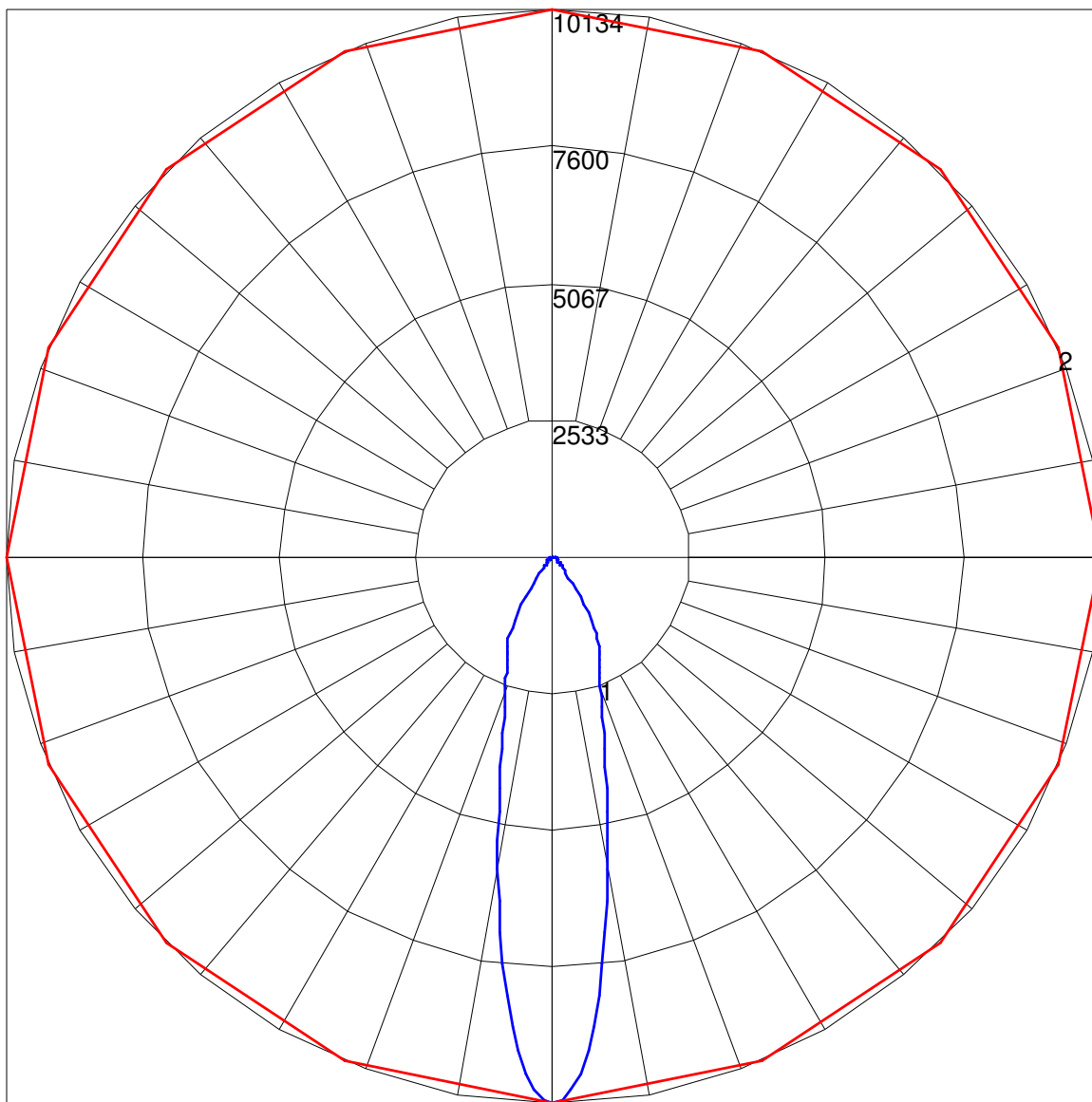
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1719.1	50.0
Downward House Side	1719.1	50.0
Downward Total	3438.2	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	3438.6	100.0

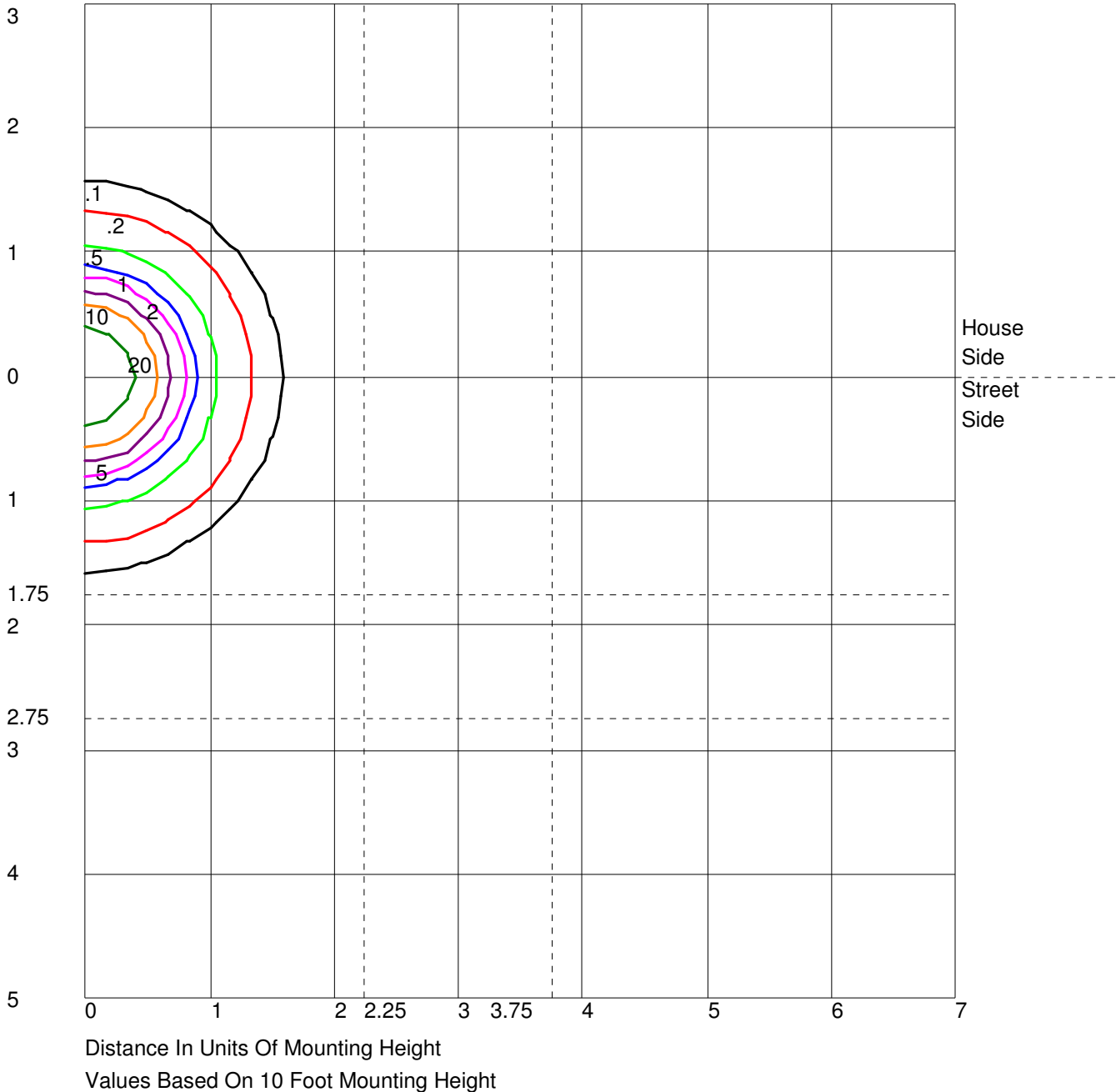
POLAR GRAPH



Maximum Candela = 10133.863 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

