

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-830-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-L20-830-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	1922
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5663.647
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	5663.647
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.173 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.805 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-830-XXX-DIM-UNV-N-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	753.4	N.A.	39.2
FM - Front-Medium (30-60)	192.6	N.A.	10.0
FH - Front-High (60-80)	14.2	N.A.	0.7
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	753.4	N.A.	39.2
BM - Back-Medium (30-60)	192.6	N.A.	10.0
BH - Back-High (60-80)	14.2	N.A.	0.7
BVH - Back-Very High (80-90)	0.6	N.A.	0.0
UL - Uplight-Low (90-100)	0.2	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	1921.8	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	5663.647	5663.647	5663.647	5663.647	5663.647
1	5627.218	5625.637	5626.615	5626.566	5624.514
2	5527.846	5526.370	5525.684	5526.051	5523.972
3	5368.763	5365.630	5365.013	5366.094	5361.541
4	5150.079	5148.346	5145.463	5146.115	5143.294
5	4876.820	4875.752	4879.363	4879.710	4881.214
6	4568.149	4567.075	4572.474	4579.190	4585.047
7	4235.227	4236.987	4247.231	4258.446	4262.972
8	3889.447	3894.292	3907.572	3923.978	3929.294
9	3551.971	3556.296	3572.265	3593.259	3602.914
10	3230.852	3235.135	3253.600	3275.072	3287.160
11	2932.003	2935.642	2953.191	2975.766	2989.004
12	2659.090	2663.533	2680.063	2701.917	2711.406
13	2415.634	2420.347	2437.800	2461.262	2464.852
14	2201.414	2208.893	2226.227	2240.700	2247.326
15	2020.782	2021.642	2033.868	2049.955	2058.792
16	1851.905	1857.090	1873.655	1888.328	1899.883
17	1714.219	1718.350	1728.400	1743.163	1750.656
18	1597.048	1600.437	1609.316	1622.333	1628.252
19	1498.883	1501.503	1509.134	1518.858	1525.041
20	1417.033	1417.962	1423.749	1431.096	1436.142
21	1345.774	1344.942	1349.704	1355.547	1359.803
22	1285.189	1281.301	1285.404	1289.729	1293.950
23	1230.891	1225.304	1228.694	1231.591	1236.366
24	1179.386	1175.317	1176.322	1178.672	1183.718
25	1132.393	1128.574	1127.589	1129.135	1133.127
26	1085.899	1082.385	1079.494	1081.151	1084.006
27	1038.940	1034.012	1030.588	1030.928	1034.802
28	986.867	981.149	974.987	975.070	978.771
29	925.062	921.901	914.956	915.213	920.487
30	859.937	855.584	843.150	845.541	850.192
31	778.905	774.955	765.348	765.078	770.061
32	688.059	686.153	678.467	681.551	684.254
33	591.932	591.204	586.213	591.356	594.385
34	495.492	496.185	494.667	500.676	503.421
35	405.263	406.178	407.924	415.493	417.267
36	326.102	326.601	331.911	339.958	342.030
37	259.702	262.793	267.819	277.259	276.981
38	207.954	212.016	218.829	223.910	224.984
39	174.831	173.839	179.682	184.666	185.740
40	145.630	148.007	153.989	157.122	159.991
41	128.496	129.896	133.119	135.268	136.439
42	116.332	117.080	119.499	120.858	121.503
43	106.975	107.453	109.387	110.170	110.870
44	99.164	99.642	101.000	101.666	101.943
45	92.281	92.808	94.028	94.353	94.658
46	85.904	86.466	87.492	87.928	88.178
47	79.888	80.408	81.399	81.843	82.085
48	74.212	74.738	75.674	76.187	76.429
49	68.909	69.381	70.261	70.801	71.030
50	63.919	64.300	65.180	65.707	65.943
51	59.254	59.622	60.432	60.973	61.216
52	54.922	55.234	55.997	56.544	56.731

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-830-XXX-DIM-UNV-N-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	50.874	51.179	51.879	52.434	52.600
54	47.152	47.423	48.040	48.559	48.740
55	43.618	43.839	44.449	44.900	45.108
56	40.180	40.395	40.963	41.386	41.580
57	36.922	37.137	37.664	38.038	38.232
58	33.990	34.177	34.656	34.995	35.189
59	31.287	31.446	31.876	32.195	32.382
60	28.792	28.944	29.346	29.617	29.790
61	26.532	26.657	27.024	27.267	27.392
62	24.467	24.592	24.904	25.125	25.229
63	22.575	22.686	22.977	23.157	23.240
64	20.870	20.925	21.202	21.355	21.403
65	19.296	19.338	19.587	19.705	19.754
66	17.813	17.861	18.056	18.173	18.194
67	16.448	16.496	16.669	16.759	16.780
68	15.186	15.235	15.373	15.449	15.456
69	14.015	14.029	14.167	14.223	14.216
70	12.906	12.920	13.031	13.072	13.058
71	11.859	11.859	11.949	11.984	11.956
72	10.882	10.854	10.930	10.951	10.944
73	9.912	9.891	9.953	9.960	9.939
74	8.976	8.962	9.004	9.017	8.997
75	8.082	8.061	8.089	8.109	8.082
76	7.195	7.174	7.195	7.208	7.195
77	6.314	6.307	6.335	6.335	6.335
78	5.455	5.448	5.476	5.476	5.489
79	4.595	4.588	4.630	4.637	4.644
80	3.736	3.736	3.777	3.805	3.798
81	2.814	2.842	2.863	2.883	2.869
82	1.636	1.677	1.719	1.712	1.726
83	0.818	0.818	0.887	0.922	0.977
84	0.742	0.742	0.749	0.742	0.742
85	0.686	0.686	0.686	0.686	0.686
86	0.610	0.617	0.617	0.610	0.617
87	0.520	0.520	0.527	0.520	0.520
88	0.402	0.409	0.409	0.402	0.402
89	0.270	0.270	0.270	0.270	0.270
90	0.152	0.159	0.166	0.173	0.173
91	0.146	0.152	0.146	0.146	0.139
92	0.152	0.152	0.152	0.152	0.139
93	0.152	0.152	0.152	0.152	0.139
94	0.152	0.159	0.159	0.152	0.146
95	0.159	0.159	0.159	0.152	0.152
96	0.159	0.166	0.166	0.159	0.166
97	0.173	0.173	0.173	0.173	0.173
98	0.180	0.180	0.173	0.180	0.180
99	0.187	0.194	0.187	0.180	0.187
100	0.187	0.194	0.194	0.187	0.187
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

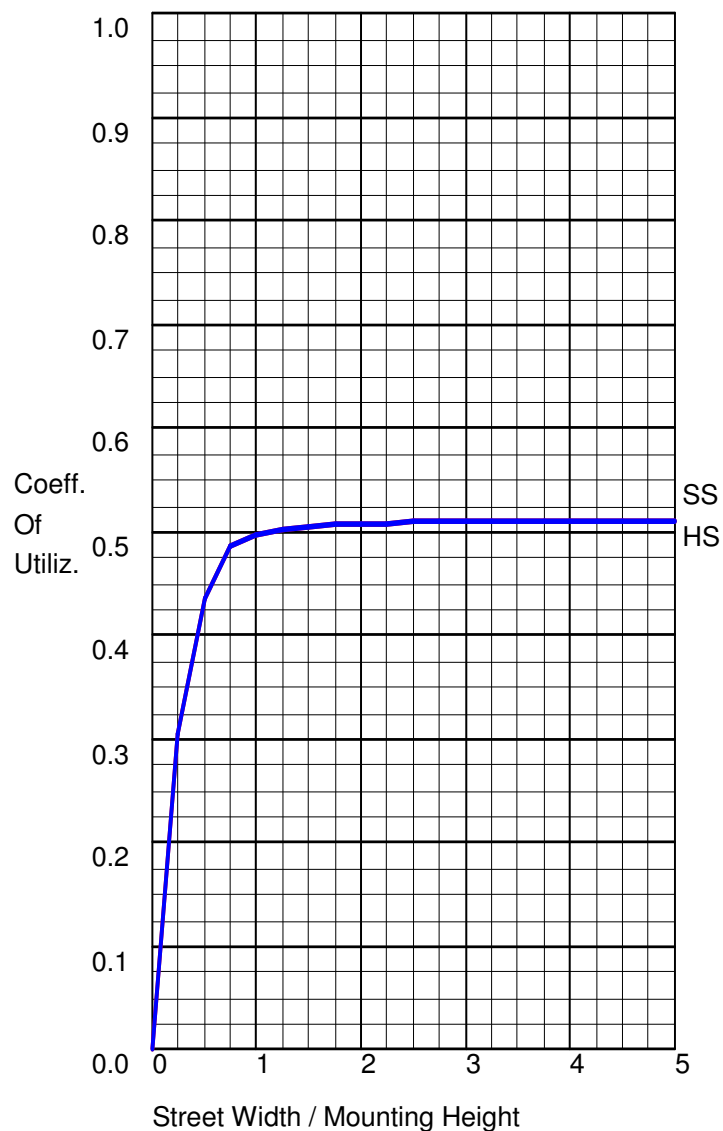
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-830-XXX-DIM-UNV-N-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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

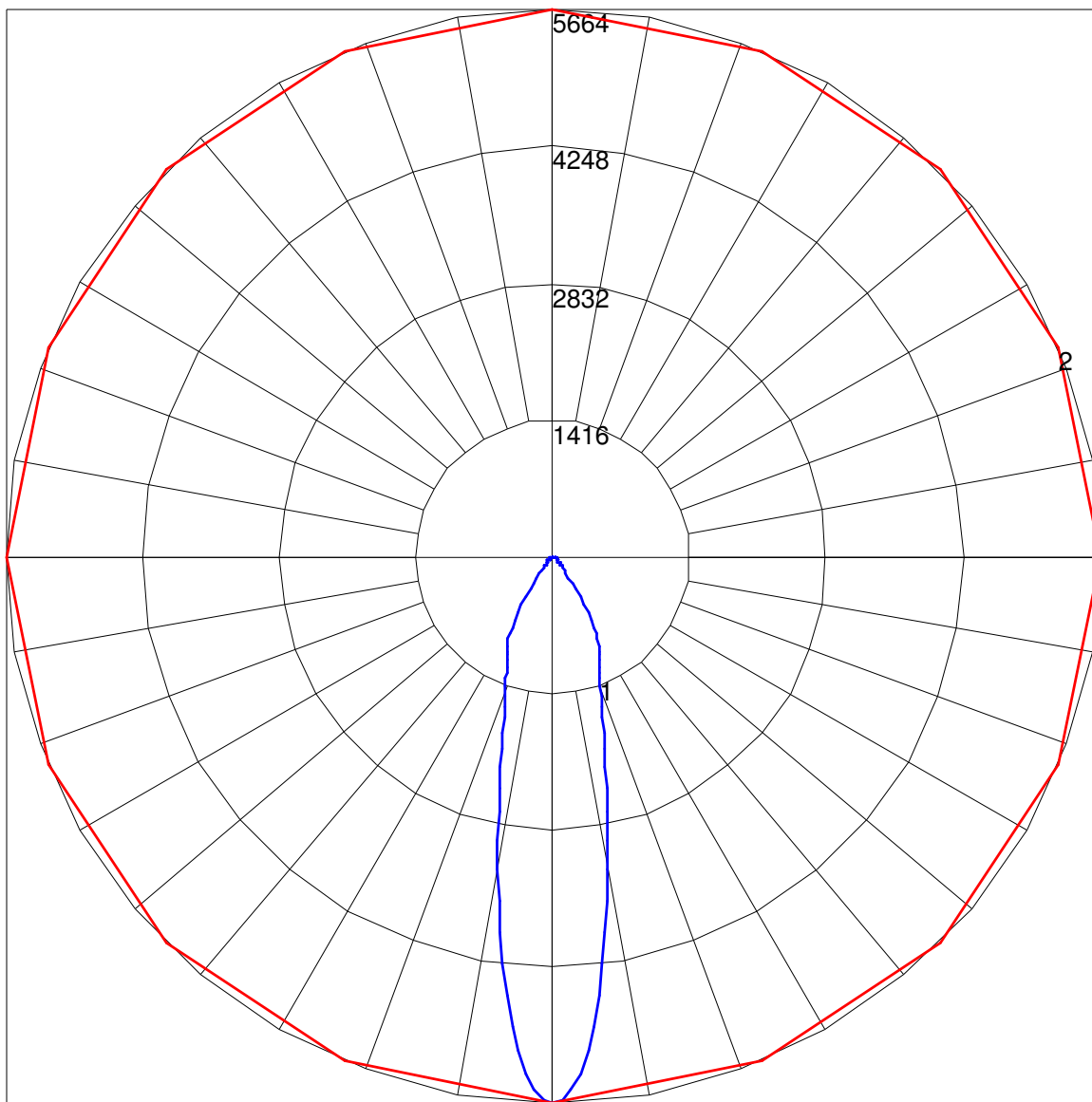
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	960.8	50.0
Downward House Side	960.8	50.0
Downward Total	1921.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1921.8	100.0

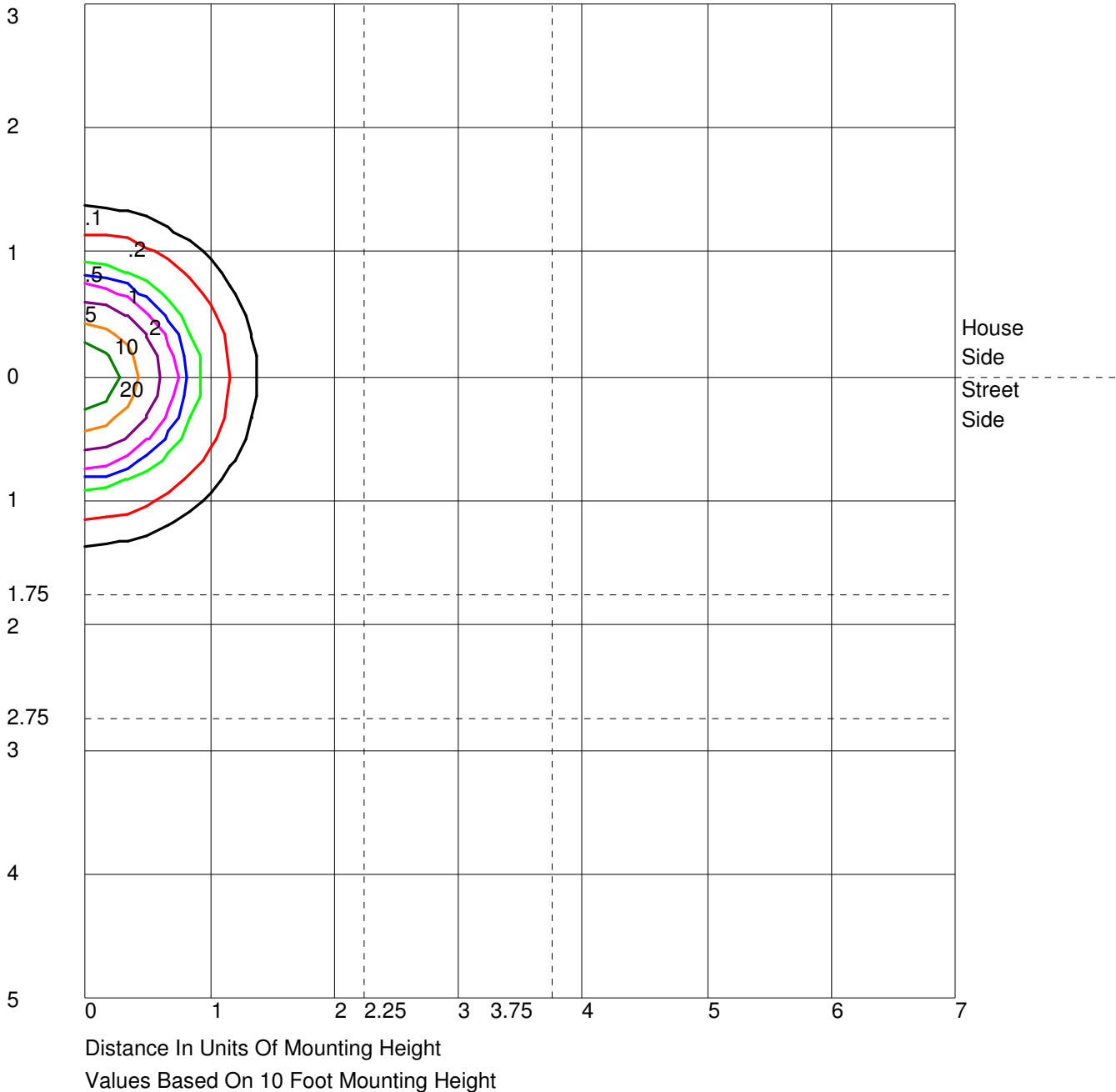
POLAR GRAPH



Maximum Candela = 5663.647 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

