

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-850-XXX-DIM-UNV-S-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] W6CR\_Angela-S\_(V18)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-07-15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CR-xx-L20-850-xxx-DIM-UNV-S-xxx  
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED  
[MORE] CYLINDER WITH SPOT DISTRIBUTION  
[LAMPCAT] BL VERO  
[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	2121
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	21052.699
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	21052.699
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.15 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.441 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-850-XXX-DIM-UNV-S-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	937.7	N.A.	44.2
FM - Front-Medium (30-60)	112.1	N.A.	5.3
FH - Front-High (60-80)	10.3	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	937.7	N.A.	44.2
BM - Back-Medium (30-60)	112.1	N.A.	5.3
BH - Back-High (60-80)	10.3	N.A.	0.5
BVH - Back-Very High (80-90)	0.5	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	2121.4	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	21052.699	21052.699	21052.699	21052.699	21052.699
1	20690.574	20698.784	20699.635	20702.088	20704.255
2	19815.866	19771.132	19841.592	19797.082	19836.652
3	18387.860	18373.355	18386.559	18489.544	18461.972
4	16369.452	16554.419	16592.503	16589.799	16628.415
5	14251.234	14276.184	14329.543	14490.943	14501.156
6	11840.098	11882.925	12092.765	12196.221	12317.628
7	9593.046	9543.011	9741.883	9975.460	9995.013
8	7379.385	7482.772	7696.414	7856.554	7928.056
9	5625.914	5724.471	5890.211	6070.647	6157.247
10	4270.814	4309.260	4506.415	4661.949	4739.427
11	3248.530	3290.321	3446.632	3600.238	3637.484
12	2518.666	2574.928	2694.537	2777.444	2821.586
13	2060.784	2053.651	2126.434	2205.813	2244.565
14	1657.427	1672.620	1742.460	1820.442	1832.617
15	1406.790	1415.361	1485.828	1515.076	1569.383
16	1230.545	1235.866	1276.151	1312.594	1330.689
17	1105.533	1108.967	1139.462	1168.737	1183.835
18	1016.977	1019.573	1043.017	1067.073	1078.424
19	956.580	958.965	977.762	994.924	1007.855
20	919.265	917.269	931.079	944.487	953.984
21	889.356	889.486	898.063	907.983	916.533
22	870.164	868.270	875.458	881.160	890.065
23	854.344	850.747	856.368	861.109	869.394
24	838.381	834.757	838.136	841.209	849.773
25	820.954	818.242	818.862	821.778	829.259
26	800.821	797.810	797.190	799.854	806.108
27	777.275	772.697	771.076	772.704	780.028
28	746.072	740.867	737.215	738.707	746.617
29	705.391	700.868	693.244	695.690	702.864
30	652.754	648.700	639.285	641.908	648.005
31	586.920	583.602	574.514	577.429	583.425
32	510.260	508.632	500.981	505.559	510.696
33	426.992	426.760	421.602	427.434	432.612
34	342.435	343.675	341.652	348.220	352.369
35	263.452	266.143	265.748	275.273	276.090
36	194.675	196.262	201.072	207.122	209.970
37	140.975	138.290	147.427	153.449	160.160
38	97.188	96.281	102.515	108.715	110.568
39	65.296	69.929	74.371	77.580	79.038
40	47.630	49.926	53.325	57.951	57.693
41	37.908	38.991	41.328	43.147	44.094
42	32.668	32.961	34.460	35.441	35.966
43	29.841	29.882	30.706	31.115	31.415
44	28.260	28.322	28.642	28.724	28.901
45	27.341	27.409	27.456	27.409	27.538
46	26.727	26.768	26.680	26.584	26.693
47	26.244	26.237	26.080	25.978	26.019
48	25.862	25.801	25.583	25.501	25.487
49	25.556	25.440	25.181	25.058	25.017
50	25.317	25.140	24.833	24.684	24.602
51	25.133	24.915	24.527	24.363	24.254
52	25.017	24.731	24.288	24.091	23.955

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53	24.929	24.588	24.084	23.846	23.730
54	24.820	24.438	23.852	23.573	23.437
55	24.452	24.050	23.450	23.130	23.055
56	23.811	23.423	22.790	22.476	22.510
57	22.987	22.667	21.992	21.713	21.842
58	22.061	21.795	21.114	20.875	21.066
59	20.984	20.773	20.126	19.928	20.187
60	19.819	19.628	19.070	18.920	19.192
61	18.600	18.416	17.966	17.857	18.102
62	17.360	17.189	16.849	16.774	16.978
63	16.140	15.990	15.752	15.684	15.833
64	14.948	14.798	14.682	14.621	14.737
65	13.858	13.708	13.674	13.612	13.715
66	12.815	12.693	12.693	12.652	12.734
67	11.861	11.780	11.800	11.766	11.834
68	11.017	10.955	10.989	10.949	11.010
69	10.240	10.199	10.226	10.199	10.240
70	9.525	9.511	9.525	9.497	9.525
71	8.864	8.864	8.871	8.836	8.850
72	8.264	8.244	8.251	8.216	8.216
73	7.678	7.651	7.644	7.610	7.610
74	7.106	7.065	7.065	7.024	7.031
75	6.527	6.486	6.479	6.431	6.452
76	5.934	5.900	5.900	5.852	5.880
77	5.341	5.321	5.314	5.280	5.307
78	4.742	4.708	4.708	4.681	4.715
79	4.101	4.074	4.088	4.067	4.115
80	3.407	3.400	3.407	3.420	3.441
81	2.616	2.630	2.623	2.630	2.630
82	1.492	1.533	1.574	1.560	1.594
83	0.709	0.715	0.797	0.831	0.879
84	0.647	0.647	0.647	0.640	0.640
85	0.600	0.593	0.593	0.586	0.593
86	0.538	0.531	0.531	0.531	0.531
87	0.456	0.456	0.456	0.450	0.450
88	0.361	0.361	0.361	0.354	0.347
89	0.245	0.245	0.238	0.238	0.232
90	0.136	0.143	0.150	0.150	0.150
91	0.136	0.136	0.129	0.123	0.123
92	0.136	0.136	0.129	0.129	0.123
93	0.143	0.143	0.129	0.129	0.123
94	0.150	0.143	0.136	0.129	0.129
95	0.150	0.143	0.136	0.136	0.129
96	0.157	0.143	0.143	0.136	0.136
97	0.157	0.143	0.150	0.143	0.143
98	0.157	0.150	0.150	0.143	0.143
99	0.157	0.150	0.150	0.143	0.150
100	0.157	0.157	0.157	0.150	0.150
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

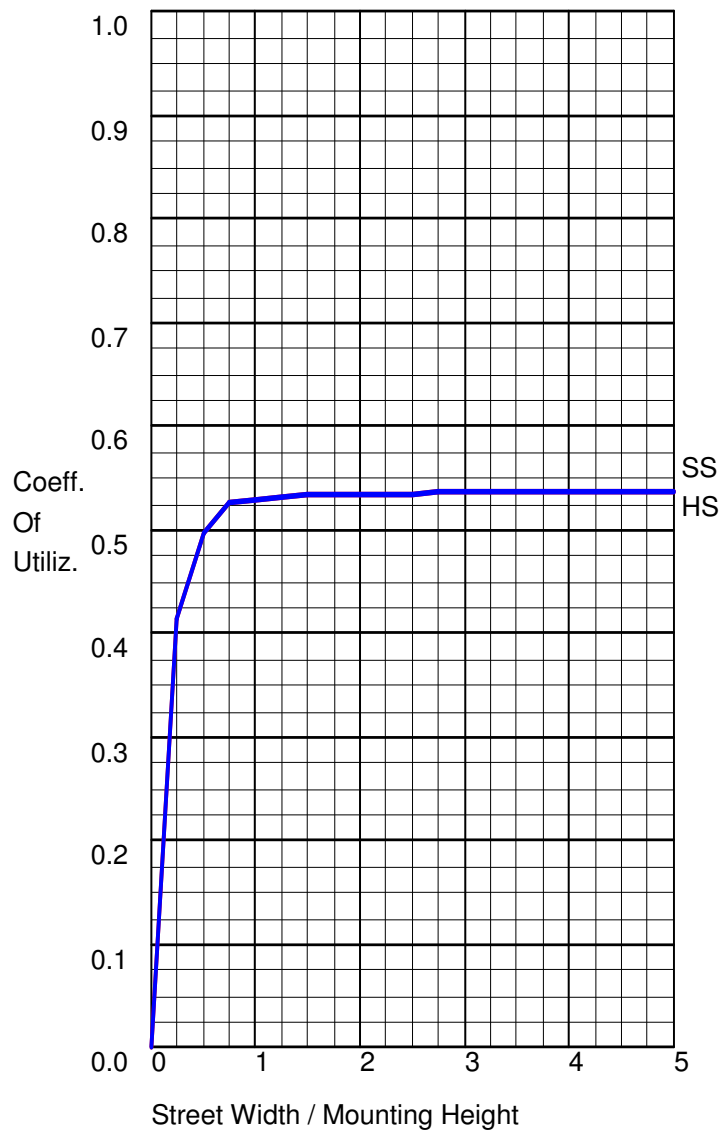
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-850-XXX-DIM-UNV-S-XXX\_IES****CANDELA TABULATION - (Cont.)**

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

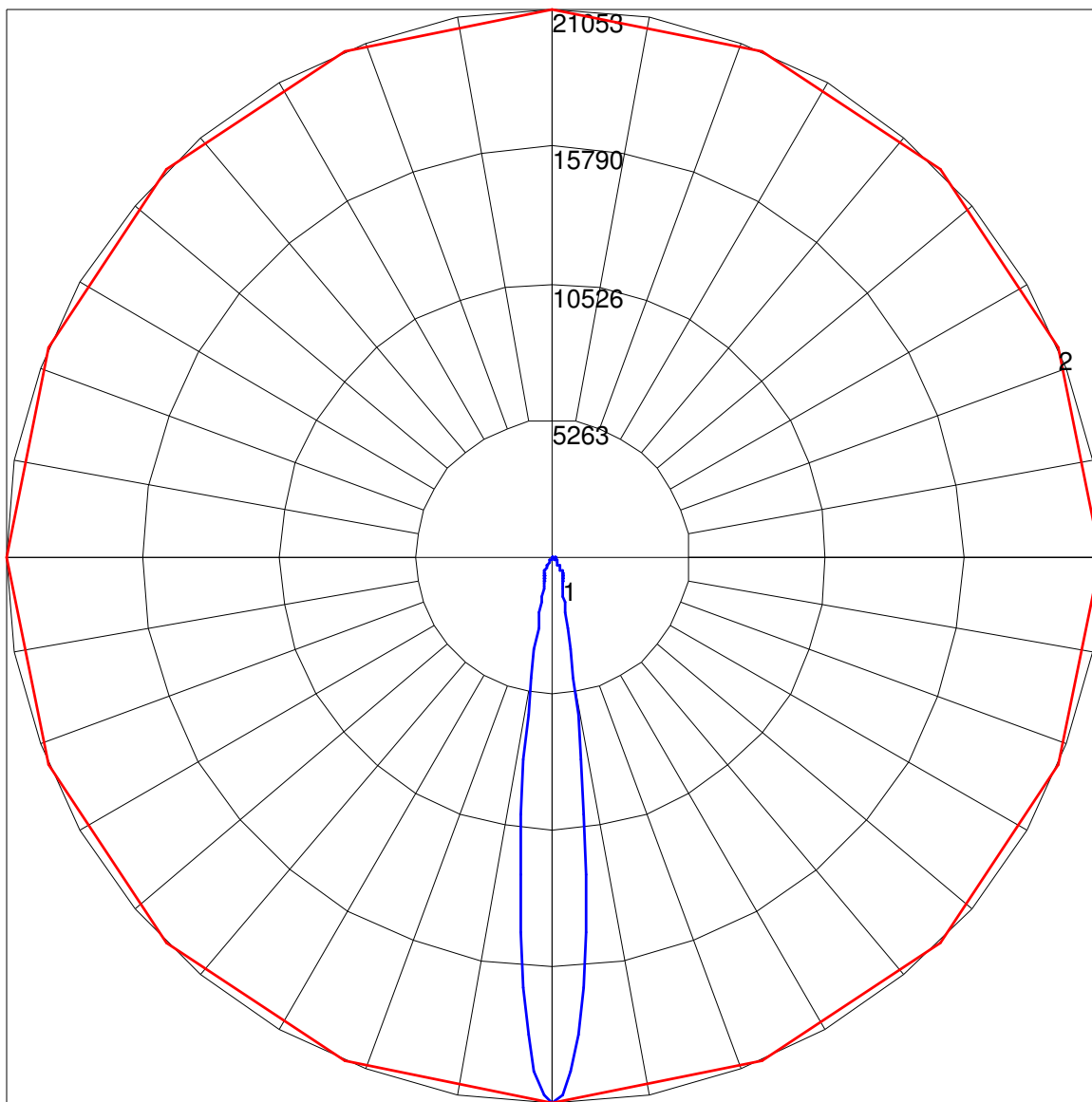
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1060.7	50.0
Downward House Side	1060.7	50.0
Downward Total	2121.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2121.6	100.0

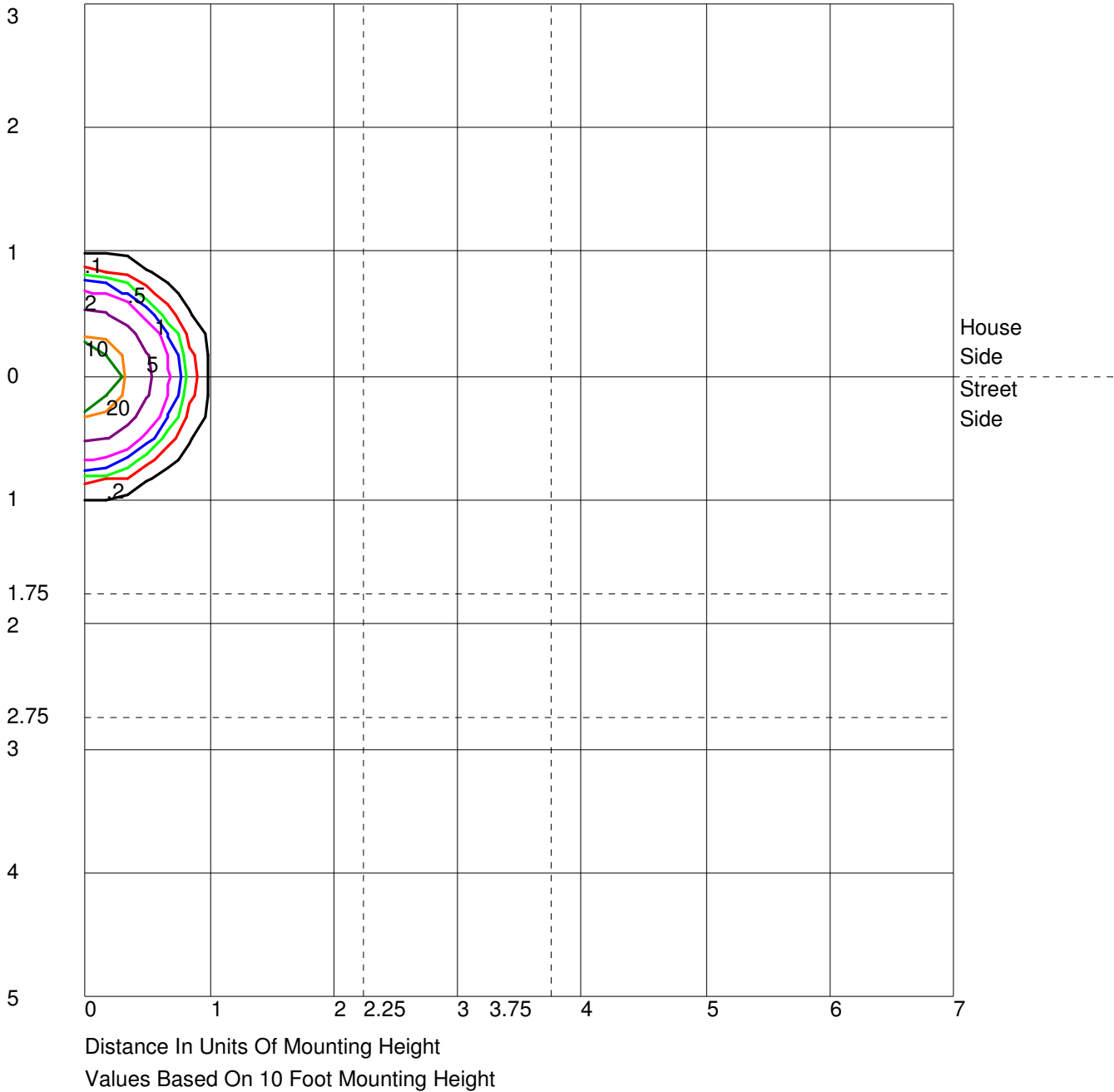
POLAR GRAPH



Maximum Candela = 21052.699 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

