

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-840-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-L40-840-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	4048
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	40169.769
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	40169.769
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.286 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.565 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-840-XXX-DIM-UNV-S-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1789.2	N.A.	44.2
FM - Front-Medium (30-60)	214.0	N.A.	5.3
FH - Front-High (60-80)	19.7	N.A.	0.5
FVH - Front-Very High (80-90)	1.0	N.A.	0.0
BL - Back-Low (0-30)	1789.2	N.A.	44.2
BM - Back-Medium (30-60)	214.0	N.A.	5.3
BH - Back-High (60-80)	19.7	N.A.	0.5
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	4048.1	N.A.	100.0
BUG Rating	B3-U1-G0		

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## CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	0.0	22.5	45.0	67.5	90.0
0	40169.769	40169.769	40169.769	40169.769	40169.769
1	39478.814	39494.478	39496.103	39500.783	39504.917
2	37809.820	37724.464	37858.906	37773.980	37849.482
3	35085.102	35057.425	35082.619	35279.121	35226.511
4	31233.863	31586.790	31659.457	31654.297	31727.978
5	27192.181	27239.785	27341.598	27649.559	27669.045
6	22591.593	22673.308	23073.696	23271.095	23502.748
7	18304.087	18208.618	18588.077	19033.756	19071.064
8	14080.293	14277.562	14685.204	14990.760	15127.191
9	10734.571	10922.623	11238.865	11583.146	11748.384
10	8148.961	8222.318	8598.501	8895.269	9043.100
11	6198.383	6278.123	6576.373	6869.462	6940.531
12	4805.761	4913.111	5141.333	5299.525	5383.749
13	3932.096	3918.485	4057.360	4208.819	4282.760
14	3162.467	3191.456	3324.715	3473.509	3496.739
15	2684.237	2700.591	2835.046	2890.853	2994.473
16	2347.951	2358.103	2434.970	2504.505	2539.032
17	2109.421	2115.972	2174.159	2230.018	2258.825
18	1940.452	1945.405	1990.136	2036.038	2057.695
19	1825.210	1829.760	1865.626	1898.372	1923.045
20	1754.011	1750.202	1776.553	1802.136	1820.257
21	1696.943	1697.190	1713.557	1732.484	1748.798
22	1660.323	1656.709	1670.424	1681.305	1698.295
23	1630.138	1623.274	1633.999	1643.047	1658.854
24	1599.680	1592.764	1599.212	1605.075	1621.415
25	1566.427	1561.253	1562.436	1568.000	1582.273
26	1528.013	1522.267	1521.084	1526.167	1538.101
27	1483.086	1474.351	1471.257	1474.364	1488.338
28	1423.548	1413.617	1406.649	1409.496	1424.588
29	1345.928	1337.296	1322.749	1327.416	1341.105
30	1245.493	1237.758	1219.792	1224.797	1236.432
31	1119.877	1113.547	1096.205	1101.769	1113.209
32	973.606	970.499	955.900	964.636	974.438
33	814.725	814.283	804.442	815.570	825.449
34	653.386	655.752	651.891	664.423	672.340
35	502.682	507.817	507.063	525.236	526.796
36	371.451	374.480	383.657	395.201	400.635
37	268.988	263.866	281.299	292.790	305.595
38	185.439	183.710	195.605	207.435	210.971
39	124.588	133.428	141.904	148.027	150.808
40	90.880	95.261	101.748	110.575	110.081
41	72.330	74.397	78.856	82.327	84.133
42	62.333	62.892	65.752	67.624	68.625
43	56.938	57.016	58.589	59.369	59.941
44	53.922	54.039	54.650	54.806	55.144
45	52.167	52.297	52.388	52.297	52.544
46	50.997	51.075	50.906	50.724	50.932
47	50.074	50.061	49.763	49.568	49.646
48	49.347	49.230	48.814	48.658	48.632
49	48.762	48.541	48.047	47.813	47.735
50	48.307	47.969	47.384	47.098	46.942
51	47.956	47.540	46.799	46.487	46.279
52	47.735	47.189	46.344	45.967	45.707

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-840-XXX-DIM-UNV-S-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	47.566	46.916	45.954	45.499	45.278
54	47.358	46.630	45.512	44.979	44.719
55	46.656	45.889	44.745	44.134	43.991
56	45.434	44.693	43.484	42.886	42.951
57	43.861	43.250	41.963	41.430	41.677
58	42.093	41.586	40.286	39.831	40.195
59	40.039	39.636	38.401	38.024	38.518
60	37.816	37.452	36.386	36.100	36.620
61	35.489	35.138	34.280	34.072	34.540
62	33.123	32.798	32.148	32.005	32.395
63	30.796	30.510	30.055	29.925	30.211
64	28.521	28.235	28.014	27.897	28.118
65	26.441	26.155	26.090	25.973	26.168
66	24.452	24.218	24.218	24.140	24.296
67	22.632	22.476	22.515	22.450	22.580
68	21.020	20.903	20.968	20.890	21.007
69	19.538	19.460	19.512	19.460	19.538
70	18.173	18.147	18.173	18.121	18.173
71	16.912	16.912	16.925	16.860	16.886
72	15.769	15.730	15.743	15.678	15.678
73	14.651	14.599	14.586	14.521	14.521
74	13.559	13.481	13.481	13.403	13.416
75	12.454	12.376	12.363	12.272	12.311
76	11.323	11.258	11.258	11.167	11.219
77	10.192	10.153	10.140	10.075	10.127
78	9.048	8.983	8.983	8.931	8.996
79	7.826	7.774	7.800	7.761	7.852
80	6.500	6.487	6.500	6.526	6.565
81	4.992	5.018	5.005	5.018	5.018
82	2.847	2.925	3.003	2.977	3.042
83	1.352	1.365	1.521	1.586	1.677
84	1.235	1.235	1.235	1.222	1.222
85	1.144	1.131	1.131	1.118	1.131
86	1.027	1.014	1.014	1.014	1.014
87	0.871	0.871	0.871	0.858	0.858
88	0.689	0.689	0.689	0.676	0.663
89	0.468	0.468	0.455	0.455	0.442
90	0.260	0.273	0.286	0.286	0.286
91	0.260	0.260	0.247	0.234	0.234
92	0.260	0.260	0.247	0.247	0.234
93	0.273	0.273	0.247	0.247	0.234
94	0.286	0.273	0.260	0.247	0.247
95	0.286	0.273	0.260	0.260	0.247
96	0.299	0.273	0.273	0.260	0.260
97	0.299	0.273	0.286	0.273	0.273
98	0.299	0.286	0.286	0.273	0.273
99	0.299	0.286	0.286	0.273	0.286
100	0.299	0.299	0.299	0.286	0.286
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

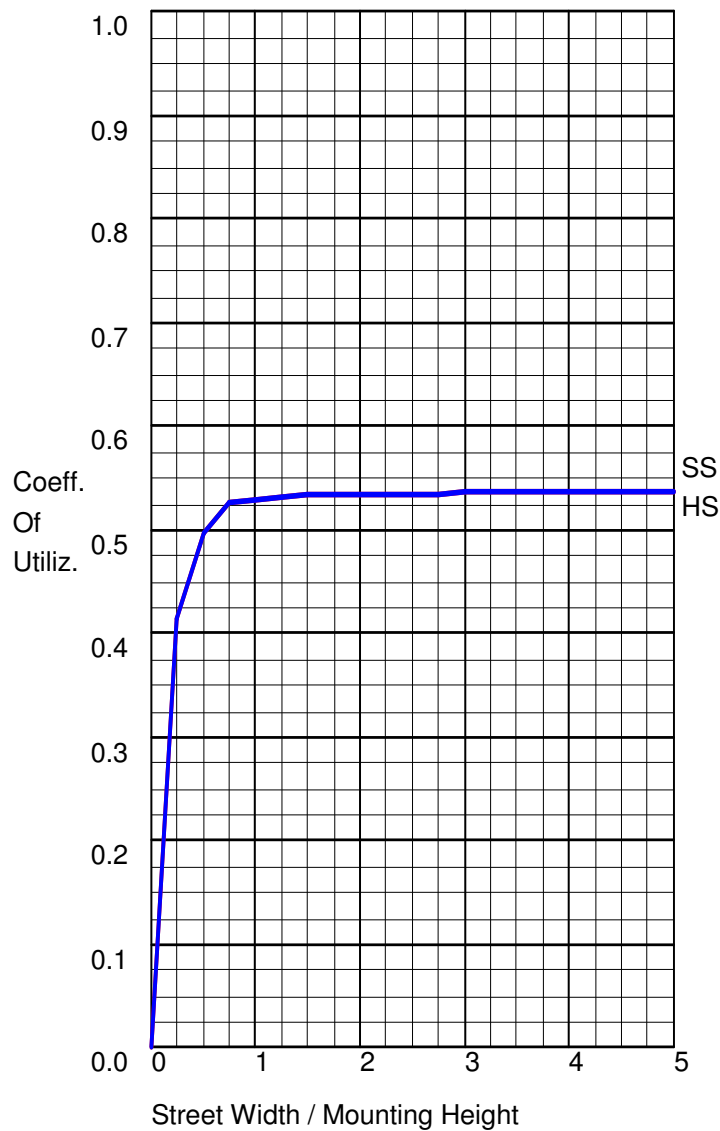
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-840-XXX-DIM-UNV-S-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-840-XXX-DIM-UNV-S-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

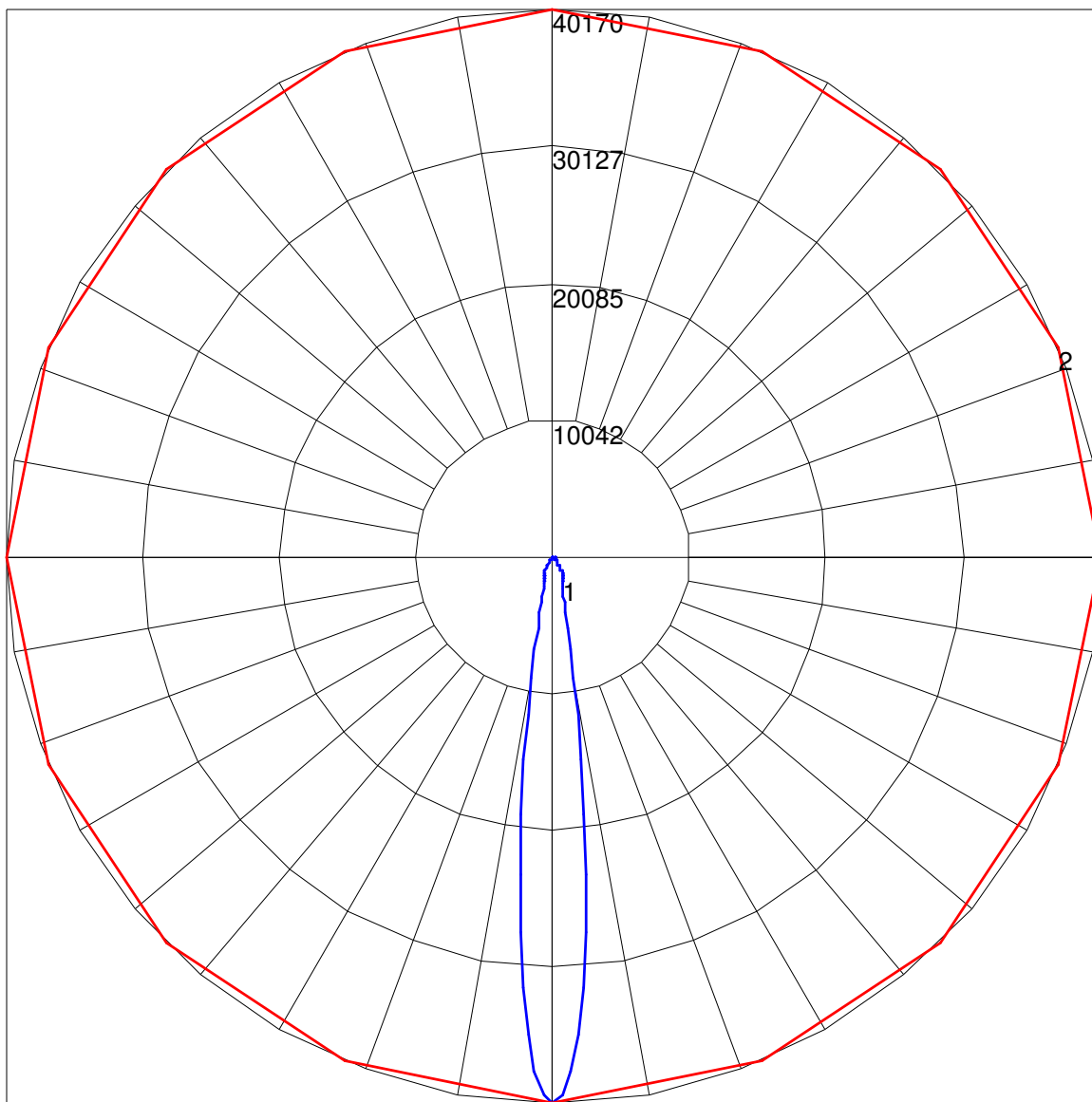
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

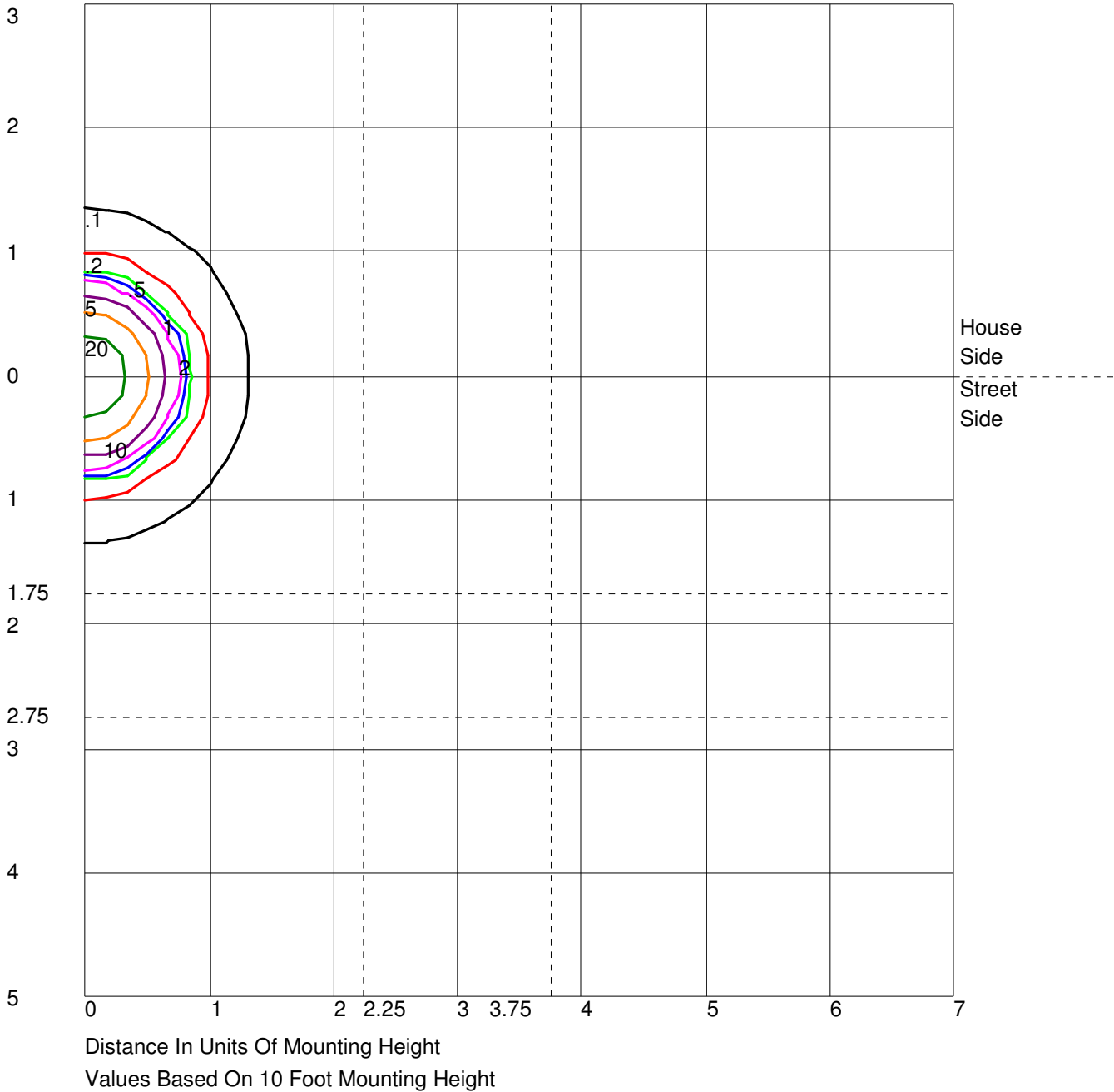
	Lumens	Percent Of Luminaire
Downward Street Side	2023.8	50.0
Downward House Side	2023.8	50.0
Downward Total	4047.6	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	4048.0	100.0

POLAR GRAPH



Maximum Candela = 40169.769 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

