



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6PR-L10-8TW-DIM-UNV-LM-OF-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from 12326812.31
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 6/8/2018
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] 6PR-L10-8TW-DIM-UNV-LM-OF-WH
 [LUMINAIRE] Black formed aluminum housing, white reflector, frosted pl
 [MORE] astic optic, clear glass patterned lens enclosure
 [LAMP] One white LED
 [BALLAST] Philips XI025C070V054DSM5
 [OTHER] 25 C, 120.049 V, 0.189527 A, 22.6587 W, 0.995878 PF, 59.9703 H
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1164
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	14.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.60
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.56
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.46 ft (Diameter)
Luminous Width (90-270)	0.46 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6427	6427	6427
55	4136	4136	4136
65	2859	2859	2859
75	2190	2190	2190
85	1285	1285	1285

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CANDELA TABULATION

	<u>0</u>
0.0	2678.520
0.5	2677.480
1.0	2673.840
1.5	2668.640
2.0	2661.360
2.5	2651.480
3.0	2639.000
3.5	2624.960
4.0	2609.360
4.5	2592.720
5.0	2574.000
5.5	2553.200
6.0	2530.840
6.5	2505.360
7.0	2478.320
7.5	2449.200
8.0	2416.960
8.5	2382.120
9.0	2344.680
9.5	2304.640
10.0	2262.520
10.5	2216.760
11.0	2168.400
11.5	2116.400
12.0	2062.840
12.5	2006.160
13.0	1946.360
13.5	1884.480
14.0	1820.000
14.5	1753.440
15.0	1685.320
15.5	1616.680
16.0	1546.480
16.5	1476.800
17.0	1407.120
17.5	1337.440
18.0	1269.320
18.5	1202.760
19.0	1137.760
19.5	1074.320
20.0	1012.960
20.5	953.680
21.0	897.000
21.5	842.920
22.0	790.400
22.5	741.000
23.0	695.240
23.5	650.520
24.0	608.920
24.5	569.400
25.0	533.000
25.5	498.472
26.0	466.440
26.5	436.644

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CANDELA TABULATION - (Cont.)

27.0	408.772
27.5	383.084
28.0	358.904
28.5	336.700
29.0	316.160
29.5	297.024
30.0	279.292
30.5	262.704
31.0	247.364
31.5	233.220
32.0	220.012
32.5	207.792
33.0	196.352
33.5	185.744
34.0	175.864
34.5	166.660
35.0	158.184
35.5	150.280
36.0	142.896
36.5	136.032
37.0	129.688
37.5	123.812
38.0	118.352
38.5	113.308
39.0	108.524
39.5	104.104
40.0	99.944
40.5	96.096
41.0	92.404
41.5	89.024
42.0	85.800
42.5	82.732
43.0	79.872
43.5	77.116
44.0	74.464
44.5	72.020
45.0	69.628
45.5	67.392
46.0	65.208
46.5	63.128
47.0	61.100
47.5	59.124
48.0	57.252
48.5	55.432
49.0	53.664
49.5	51.948
50.0	50.336
50.5	48.724
51.0	47.164
51.5	45.656
52.0	44.200
52.5	42.796
53.0	41.444
53.5	40.092
54.0	38.792
54.5	37.544

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CANDELA TABULATION - (Cont.)

55.0	36.348
55.5	35.152
56.0	34.008
56.5	32.916
57.0	31.824
57.5	30.784
58.0	29.744
58.5	28.756
59.0	27.820
59.5	26.884
60.0	26.000
60.5	25.116
61.0	24.284
61.5	23.504
62.0	22.724
62.5	21.944
63.0	21.216
63.5	20.488
64.0	19.812
64.5	19.136
65.0	18.512
65.5	17.888
66.0	17.264
66.5	16.692
67.0	16.068
67.5	15.548
68.0	14.976
68.5	14.456
69.0	13.936
69.5	13.416
70.0	12.948
70.5	12.480
71.0	12.012
71.5	11.544
72.0	11.128
72.5	10.712
73.0	10.296
73.5	9.880
74.0	9.464
74.5	9.048
75.0	8.684
75.5	8.268
76.0	7.904
76.5	7.540
77.0	7.176
77.5	6.812
78.0	6.448
78.5	6.084
79.0	5.720
79.5	5.356
80.0	4.992
80.5	4.628
81.0	4.264
81.5	3.952
82.0	3.588
82.5	3.224

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CANDELA TABULATION - (Cont.)

83.0	2.912
83.5	2.600
84.0	2.288
84.5	1.976
85.0	1.716
85.5	1.456
86.0	1.196
86.5	0.988
87.0	0.780
87.5	0.572
88.0	0.468
88.5	0.312
89.0	0.260
89.5	0.156
90.0	0.104
90.5	0.000
91.0	0.000
91.5	0.000
92.0	0.000
92.5	0.000
93.0	0.000
93.5	0.000
94.0	0.000
94.5	0.000
95.0	0.000
95.5	0.000
96.0	0.000
96.5	0.000
97.0	0.000
97.5	0.000
98.0	0.000
98.5	0.000
99.0	0.000
99.5	0.000
100.0	0.000
100.5	0.000
101.0	0.000
101.5	0.000
102.0	0.000
102.5	0.000
103.0	0.000
103.5	0.000
104.0	0.000
104.5	0.000
105.0	0.000
105.5	0.000
106.0	0.000
106.5	0.000
107.0	0.000
107.5	0.000
108.0	0.000
108.5	0.000
109.0	0.000
109.5	0.000
110.0	0.000
110.5	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000
111.5	0.000
112.0	0.000
112.5	0.000
113.0	0.000
113.5	0.000
114.0	0.000
114.5	0.000
115.0	0.000
115.5	0.000
116.0	0.000
116.5	0.000
117.0	0.000
117.5	0.000
118.0	0.000
118.5	0.000
119.0	0.000
119.5	0.000
120.0	0.000
120.5	0.000
121.0	0.000
121.5	0.000
122.0	0.000
122.5	0.000
123.0	0.000
123.5	0.000
124.0	0.000
124.5	0.000
125.0	0.000
125.5	0.000
126.0	0.000
126.5	0.000
127.0	0.000
127.5	0.000
128.0	0.000
128.5	0.000
129.0	0.000
129.5	0.000
130.0	0.000
130.5	0.000
131.0	0.000
131.5	0.000
132.0	0.000
132.5	0.000
133.0	0.000
133.5	0.000
134.0	0.000
134.5	0.000
135.0	0.000
135.5	0.000
136.0	0.000
136.5	0.000
137.0	0.000
137.5	0.000
138.0	0.000
138.5	0.000

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CANDELA TABULATION - (Cont.)

139.0	0.000
139.5	0.000
140.0	0.000
140.5	0.000
141.0	0.000
141.5	0.000
142.0	0.000
142.5	0.000
143.0	0.000
143.5	0.000
144.0	0.000
144.5	0.000
145.0	0.000
145.5	0.000
146.0	0.000
146.5	0.000
147.0	0.000
147.5	0.000
148.0	0.000
148.5	0.000
149.0	0.000
149.5	0.000
150.0	0.000
150.5	0.000
151.0	0.000
151.5	0.000
152.0	0.000
152.5	0.000
153.0	0.000
153.5	0.000
154.0	0.000
154.5	0.000
155.0	0.000
155.5	0.000
156.0	0.000
156.5	0.000
157.0	0.000
157.5	0.000
158.0	0.000
158.5	0.000
159.0	0.000
159.5	0.000
160.0	0.000
160.5	0.000
161.0	0.000
161.5	0.000
162.0	0.000
162.5	0.000
163.0	0.000
163.5	0.000
164.0	0.000
164.5	0.000
165.0	0.000
165.5	0.000
166.0	0.000
166.5	0.000

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CANDELA TABULATION - (Cont.)

167.0	0.000
167.5	0.000
168.0	0.000
168.5	0.000
169.0	0.000
169.5	0.000
170.0	0.000
170.5	0.000
171.0	0.000
171.5	0.000
172.0	0.000
172.5	0.000
173.0	0.000
173.5	0.000
174.0	0.000
174.5	0.000
175.0	0.000
175.5	0.000
176.0	0.000
176.5	0.000
177.0	0.000
177.5	0.000
178.0	0.000
178.5	0.000
179.0	0.000
179.5	0.000
180.0	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	689.05	N.A.	59.20
0-30	943.12	N.A.	81.00
0-40	1046.73	N.A.	89.90
0-60	1134.42	N.A.	97.40
0-80	1162.27	N.A.	99.80
0-90	1164.44	N.A.	100.00
10-90	928.44	N.A.	79.70
20-40	357.68	N.A.	30.70
20-50	412.45	N.A.	35.40
40-70	106.29	N.A.	9.10
60-80	27.85	N.A.	2.40
70-80	9.25	N.A.	0.80
80-90	2.17	N.A.	0.20
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1164.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	236.00
10-20	453.05
20-30	254.07
30-40	103.61
40-50	54.77
50-60	32.92
60-70	18.60
70-80	9.25
80-90	2.17
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

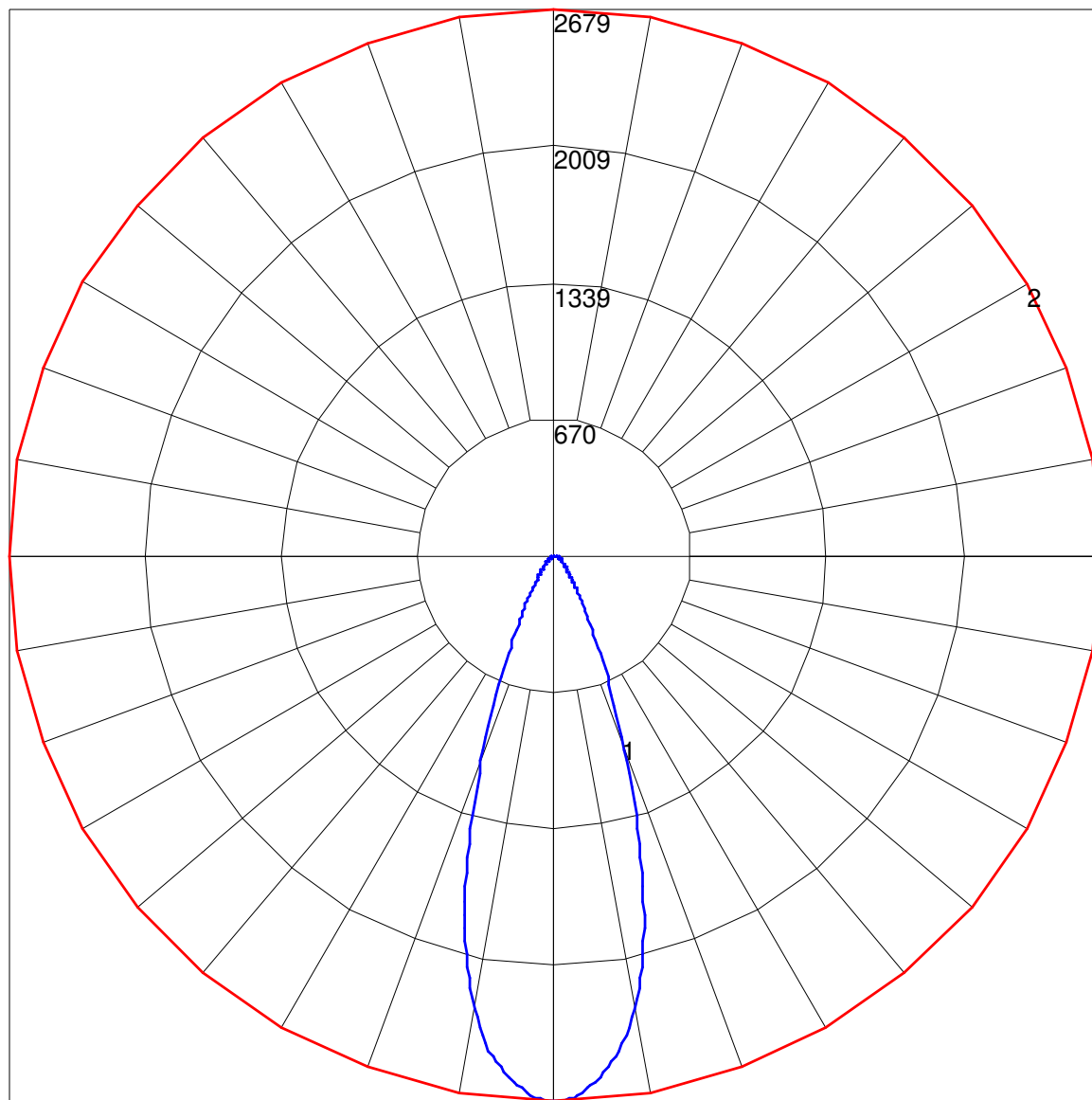
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	62	62	62	62	60	60	60	60	58	58	58	55	55	55	53	53	53	52
1	59	58	57	55	58	57	56	55	55	54	53	53	52	51	51	50	50	49
2	57	54	52	50	55	53	51	50	52	50	49	50	49	48	49	48	47	46
3	54	51	49	47	53	50	48	46	49	47	45	48	46	45	46	45	44	43
4	52	48	45	43	51	48	45	43	46	44	43	45	44	42	44	43	42	41
5	50	46	43	41	49	45	43	41	44	42	40	43	41	40	43	41	40	39
6	47	43	41	39	47	43	40	38	42	40	38	41	39	38	41	39	38	37
7	46	41	39	37	45	41	38	36	40	38	36	40	38	36	39	37	36	35
8	44	39	37	35	43	39	37	35	39	36	35	38	36	35	38	36	34	34
9	42	38	35	33	42	38	35	33	37	35	33	37	35	33	36	34	33	32
10	41	36	34	32	40	36	34	32	36	33	32	35	33	32	35	33	32	31

POLAR GRAPH



Maximum Candela = 2678.52 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)