



## IES INDOOR REPORT

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

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN from 12326812.32  
 [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-LN-OF-WH  
 [LUMINAIRE] Black formed aluminum housing, white reflector, clear plas  
 [MORE] tic optic, clear glass patterned lens enclosure  
 [LAMP] One white LED  
 [BALLAST] Philips XI025C070V054DSM5  
 [OTHER] 24.8 C, 120.053 V, 0.189548 A, 22.6621 W, 0.995885 PF, 59.97 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	1175
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	14.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.44
Spacing Criterion (Diagonal)	0.44
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	5136	5136	5136
55	3882	3882	3882
65	2940	2940	2940
75	2111	2111	2111
85	1285	1285	1285

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CANDELA TABULATION

	<u>0</u>
0.0	4340.960
0.5	4336.800
1.0	4324.320
1.5	4302.480
2.0	4271.800
2.5	4232.280
3.0	4184.440
3.5	4128.800
4.0	4066.920
4.5	3998.800
5.0	3924.440
5.5	3843.320
6.0	3754.920
6.5	3660.280
7.0	3560.960
7.5	3456.440
8.0	3347.760
8.5	3235.440
9.0	3119.480
9.5	3000.920
10.0	2879.760
10.5	2757.560
11.0	2632.760
11.5	2508.480
12.0	2385.240
12.5	2262.520
13.0	2141.880
13.5	2021.760
14.0	1904.760
14.5	1791.400
15.0	1682.200
15.5	1576.640
16.0	1476.280
16.5	1380.080
17.0	1289.080
17.5	1202.240
18.0	1120.600
18.5	1044.160
19.0	972.400
19.5	905.320
20.0	842.400
20.5	783.120
21.0	727.480
21.5	676.520
22.0	628.680
22.5	583.960
23.0	541.320
23.5	502.320
24.0	465.764
24.5	432.068
25.0	400.868
25.5	371.852
26.0	345.176
26.5	320.632

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**CANDELA TABULATION - (Cont.)**

27.0	297.908
27.5	276.952
28.0	257.712
28.5	240.188
29.0	224.224
29.5	209.612
30.0	196.040
30.5	183.664
31.0	172.380
31.5	162.084
32.0	152.620
32.5	144.040
33.0	136.084
33.5	128.804
34.0	122.148
34.5	116.012
35.0	110.448
35.5	105.300
36.0	100.568
36.5	96.200
37.0	92.196
37.5	88.504
38.0	85.072
38.5	81.952
39.0	79.040
39.5	76.284
40.0	73.788
40.5	71.448
41.0	69.212
41.5	67.184
42.0	65.260
42.5	63.440
43.0	61.724
43.5	60.060
44.0	58.500
44.5	57.044
45.0	55.640
45.5	54.288
46.0	52.988
46.5	51.740
47.0	50.544
47.5	49.348
48.0	48.204
48.5	47.060
49.0	45.968
49.5	44.876
50.0	43.836
50.5	42.796
51.0	41.756
51.5	40.716
52.0	39.780
52.5	38.792
53.0	37.804
53.5	36.868
54.0	35.932
54.5	35.048

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**CANDELA TABULATION - (Cont.)**

55.0	34.112
55.5	33.228
56.0	32.396
56.5	31.564
57.0	30.732
57.5	29.900
58.0	29.120
58.5	28.340
59.0	27.560
59.5	26.832
60.0	26.052
60.5	25.324
61.0	24.596
61.5	23.868
62.0	23.140
62.5	22.464
63.0	21.788
63.5	21.060
64.0	20.384
64.5	19.708
65.0	19.032
65.5	18.356
66.0	17.732
66.5	17.056
67.0	16.432
67.5	15.860
68.0	15.236
68.5	14.664
69.0	14.092
69.5	13.572
70.0	13.000
70.5	12.532
71.0	12.012
71.5	11.492
72.0	10.972
72.5	10.556
73.0	10.088
73.5	9.620
74.0	9.204
74.5	8.788
75.0	8.372
75.5	7.956
76.0	7.592
76.5	7.176
77.0	6.812
77.5	6.448
78.0	6.084
78.5	5.772
79.0	5.408
79.5	5.096
80.0	4.732
80.5	4.420
81.0	4.108
81.5	3.796
82.0	3.484
82.5	3.172

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CANDELA TABULATION - (Cont.)

83.0	2.860
83.5	2.548
84.0	2.236
84.5	1.924
85.0	1.716
85.5	1.404
86.0	1.144
86.5	0.936
87.0	0.728
87.5	0.624
88.0	0.520
88.5	0.416
89.0	0.312
89.5	0.260
90.0	0.208
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

IES INDOOR REPORT  
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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

IES INDOOR REPORT  
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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	803.48	N.A.	68.40
0-30	998.20	N.A.	84.90
0-40	1071.07	N.A.	91.10
0-60	1145.34	N.A.	97.40
0-80	1173.31	N.A.	99.80
0-90	1175.43	N.A.	100.00
10-90	834.86	N.A.	71.00
20-40	267.59	N.A.	22.80
20-50	311.15	N.A.	26.50
40-70	93.23	N.A.	7.90
60-80	27.97	N.A.	2.40
70-80	9.00	N.A.	0.80
80-90	2.12	N.A.	0.20
90-110	0.01	N.A.	0.00
90-120	0.01	N.A.	0.00
90-130	0.01	N.A.	0.00
90-150	0.01	N.A.	0.00
90-180	0.01	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1175.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	340.57
10-20	462.92
20-30	194.72
30-40	72.87
40-50	43.56
50-60	30.71
60-70	18.96
70-80	9.00
80-90	2.12
90-100	0.01
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

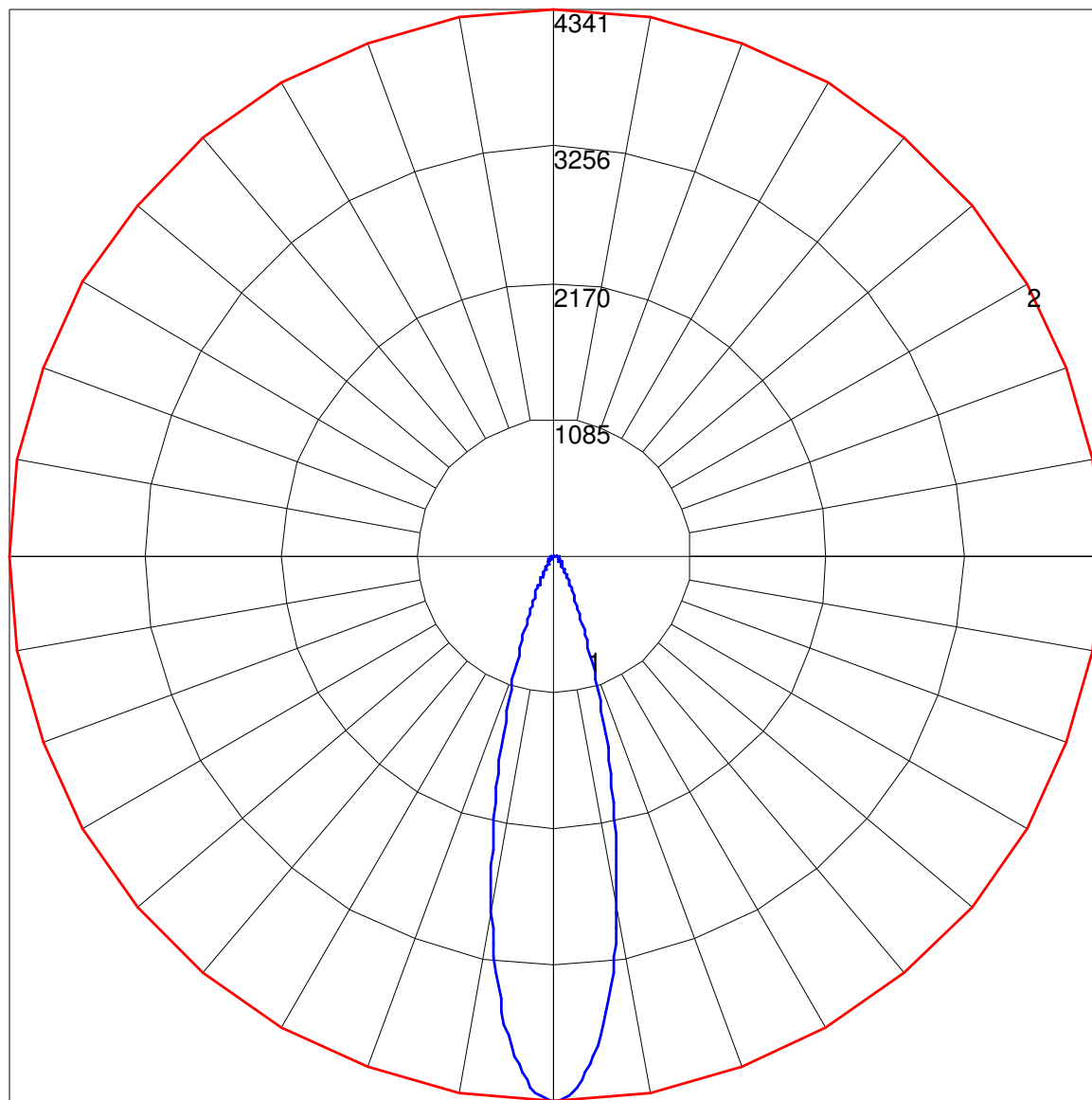
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	56	58	57	56	55	55	54	53	53	52	52	51	51	50	49
2	57	55	53	51	56	54	52	51	52	51	50	51	50	49	49	48	48	47
3	55	52	50	48	54	51	49	47	50	48	47	49	47	46	47	46	45	45
4	53	49	47	45	52	49	46	45	48	46	44	47	45	44	46	44	43	43
5	51	47	45	43	50	47	44	42	46	44	42	45	43	42	44	43	41	41
6	49	45	42	41	48	45	42	41	44	42	40	43	41	40	43	41	40	39
7	47	43	41	39	47	43	41	39	42	40	39	42	40	38	41	40	38	38
8	46	42	39	37	45	41	39	37	41	39	37	40	38	37	40	38	37	36
9	44	40	38	36	44	40	38	36	40	37	36	39	37	36	39	37	36	35
10	43	39	36	35	42	39	36	35	38	36	35	38	36	35	38	36	35	34

POLAR GRAPH



Maximum Candela = 4340.96 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.)