



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from 12326812.29

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 6/8/2018

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMCAT] 6PR-L10-8TW-DIM-UNV-LW-OF-WH

[LUMINAIRE] Black formed aluminum housing, white reflector, clear glass

[MORE] s patterned lens enclosure

[LAMP] One white LED

[BALLAST] Philips XI025C070V054DSM5

[OTHER] 25 C, 119.956 V, 0.190022 A, 22.7 W, 0.995864 PF, 59.9698 Hz

[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	1148
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	14.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.26
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	26680	26680	26680
55	13173	13173	13173
65	8923	8923	8923
75	6636	6636	6636
85	4595	4595	4595

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CANDELA TABULATION

	<u>0</u>
0.0	607.880
0.5	607.360
1.0	606.840
1.5	606.320
2.0	605.280
2.5	604.240
3.0	602.680
3.5	601.640
4.0	600.080
4.5	598.520
5.0	596.960
5.5	595.400
6.0	593.840
6.5	592.280
7.0	590.720
7.5	588.640
8.0	587.080
8.5	585.520
9.0	583.440
9.5	581.360
10.0	579.800
10.5	577.720
11.0	575.640
11.5	574.080
12.0	572.000
12.5	569.920
13.0	567.840
13.5	565.760
14.0	563.680
14.5	561.600
15.0	559.000
15.5	556.920
16.0	554.840
16.5	552.760
17.0	550.160
17.5	548.080
18.0	546.520
18.5	544.440
19.0	542.360
19.5	540.280
20.0	538.200
20.5	536.640
21.0	534.560
21.5	532.480
22.0	529.880
22.5	527.280
23.0	525.200
23.5	522.080
24.0	519.636
24.5	516.880
25.0	514.072
25.5	511.264
26.0	508.456
26.5	505.544

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CANDELA TABULATION - (Cont.)

27.0	502.684
27.5	499.824
28.0	496.964
28.5	494.156
29.0	491.452
29.5	488.696
30.0	485.732
30.5	482.768
31.0	479.648
31.5	476.424
32.0	472.888
32.5	469.144
33.0	465.296
33.5	461.136
34.0	456.664
34.5	451.880
35.0	446.888
35.5	441.480
36.0	435.864
36.5	429.936
37.0	423.644
37.5	417.196
38.0	410.436
38.5	403.260
39.0	395.824
39.5	388.024
40.0	380.068
40.5	371.748
41.0	363.584
41.5	355.056
42.0	346.372
42.5	337.324
43.0	328.120
43.5	318.604
44.0	308.984
44.5	299.104
45.0	289.016
45.5	278.616
46.0	267.904
46.5	257.088
47.0	246.168
47.5	235.352
48.0	224.588
48.5	213.928
49.0	203.684
49.5	193.544
50.0	184.080
50.5	174.876
51.0	166.348
51.5	158.340
52.0	150.852
52.5	143.884
53.0	137.332
53.5	131.248
54.0	125.736
54.5	120.536

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CANDELA TABULATION - (Cont.)

55.0	115.752
55.5	111.332
56.0	107.224
56.5	103.376
57.0	99.632
57.5	96.148
58.0	92.872
58.5	89.700
59.0	86.788
59.5	83.980
60.0	81.172
60.5	78.520
61.0	75.920
61.5	73.424
62.0	70.980
62.5	68.640
63.0	66.352
63.5	64.116
64.0	61.932
64.5	59.852
65.0	57.772
65.5	55.796
66.0	53.820
66.5	51.896
67.0	50.024
67.5	48.256
68.0	46.436
68.5	44.772
69.0	43.056
69.5	41.444
70.0	39.832
70.5	38.324
71.0	36.868
71.5	35.412
72.0	34.008
72.5	32.708
73.0	31.356
73.5	30.056
74.0	28.808
74.5	27.560
75.0	26.312
75.5	25.168
76.0	23.972
76.5	22.880
77.0	21.736
77.5	20.644
78.0	19.552
78.5	18.512
79.0	17.472
79.5	16.432
80.0	15.444
80.5	14.456
81.0	13.468
81.5	12.480
82.0	11.544
82.5	10.608

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CANDELA TABULATION - (Cont.)

83.0	9.672
83.5	8.788
84.0	7.852
84.5	7.020
85.0	6.136
85.5	5.304
86.0	4.472
86.5	3.692
87.0	2.964
87.5	2.340
88.0	1.820
88.5	1.352
89.0	0.988
89.5	0.676
90.0	0.416
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
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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	214.28	N.A.	18.70
0-30	451.18	N.A.	39.30
0-40	727.52	N.A.	63.40
0-60	1054.83	N.A.	91.90
0-80	1141.02	N.A.	99.40
0-90	1148.28	N.A.	100.00
10-90	1091.85	N.A.	95.10
20-40	513.24	N.A.	44.70
20-50	732.52	N.A.	63.80
40-70	385.28	N.A.	33.60
60-80	86.19	N.A.	7.50
70-80	28.22	N.A.	2.50
80-90	7.26	N.A.	0.60
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	1148.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	56.44
10-20	157.85
20-30	236.90
30-40	276.34
40-50	219.28
50-60	108.03
60-70	57.97
70-80	28.22
80-90	7.26
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

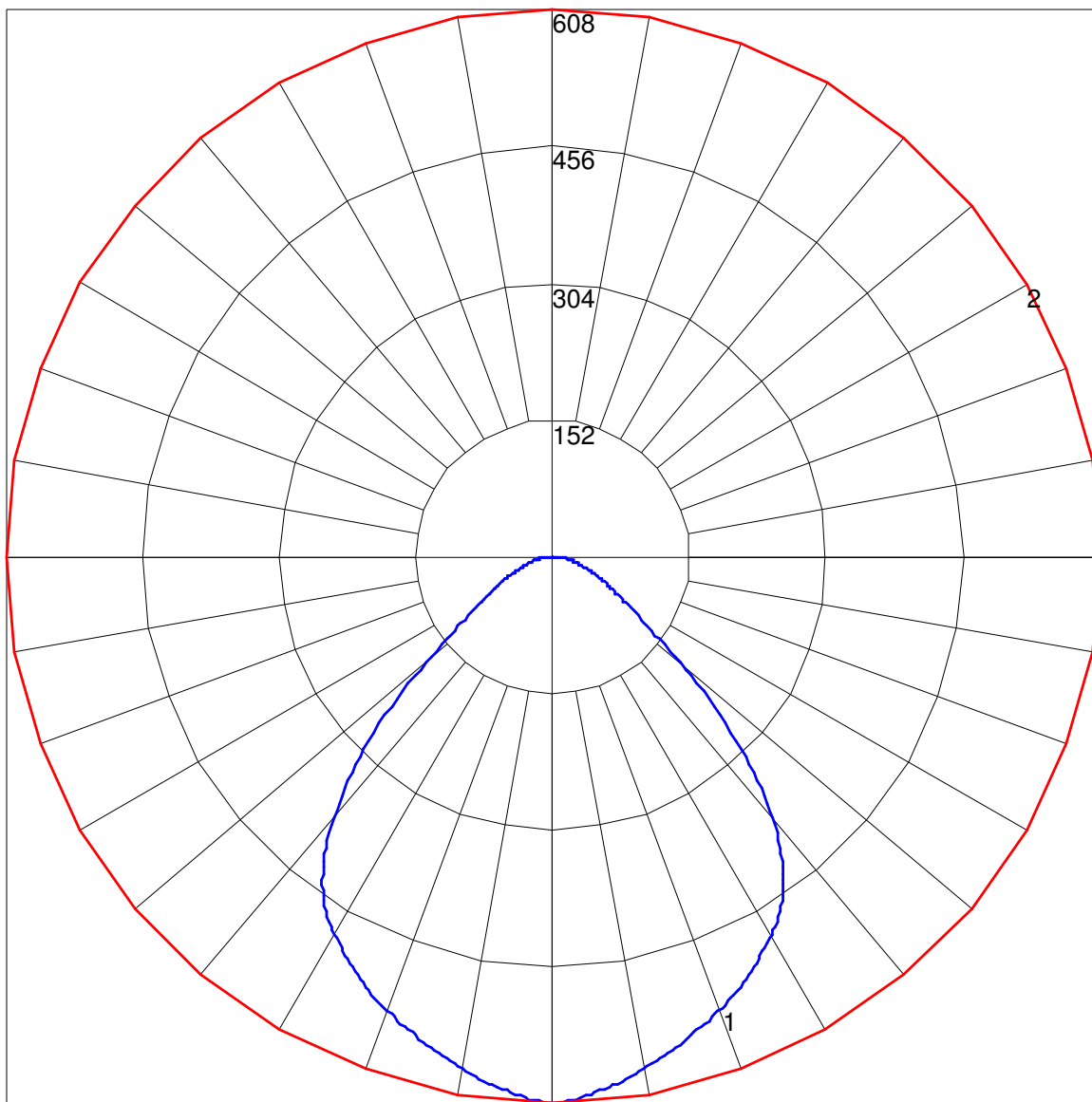
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	58	56	54	52	56	55	53	52	53	51	50	51	49	49	49	48	47	46
2	54	50	47	45	52	49	47	44	47	45	43	46	44	42	44	43	41	40
3	50	45	42	39	49	44	41	39	43	40	38	42	39	37	40	38	37	36
4	46	41	37	34	45	40	37	34	39	36	33	38	35	33	37	34	33	32
5	43	37	33	30	42	37	33	30	36	32	30	35	32	29	34	31	29	28
6	40	34	30	27	39	33	30	27	33	29	27	32	29	26	31	28	26	25
7	37	31	27	24	36	31	27	24	30	26	24	29	26	24	29	26	24	23
8	35	29	25	22	34	28	24	22	28	24	22	27	24	22	26	24	22	21
9	33	26	23	20	32	26	22	20	26	22	20	25	22	20	25	22	20	19
10	31	25	21	18	30	24	21	18	24	20	18	23	20	18	23	20	18	17

POLAR GRAPH



Maximum Candela = 607.88 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.)