



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6PR-P29-835-DIM-POE-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-P29-835-DIM-PoE-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	2928
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	25
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	16164	16164	16164
55	10403	10403	10403
65	7191	7191	7191
75	5508	5508	5508
85	3232	3232	3232

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CANDELA TABULATION

	<u>0</u>
0.0	6736.102
0.5	6733.486
1.0	6724.332
1.5	6711.255
2.0	6692.947
2.5	6668.100
3.0	6636.714
3.5	6601.406
4.0	6562.174
4.5	6520.327
5.0	6473.249
5.5	6420.939
6.0	6364.707
6.5	6300.629
7.0	6232.627
7.5	6159.394
8.0	6078.315
8.5	5990.697
9.0	5896.541
9.5	5795.846
10.0	5689.920
10.5	5574.840
11.0	5453.222
11.5	5322.449
12.0	5187.753
12.5	5045.211
13.0	4894.822
13.5	4739.203
14.0	4577.044
14.5	4409.655
15.0	4238.343
15.5	4065.723
16.0	3889.180
16.5	3713.945
17.0	3538.709
17.5	3363.474
18.0	3192.162
18.5	3024.773
19.0	2861.307
19.5	2701.764
20.0	2547.452
20.5	2398.371
21.0	2255.829
21.5	2119.825
22.0	1987.745
22.5	1863.511
23.0	1748.431
23.5	1635.966
24.0	1531.348
24.5	1431.961
25.0	1340.420
25.5	1253.587
26.0	1173.031
26.5	1098.098

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CANDELA TABULATION - (Cont.)

27.0	1028.004
27.5	963.402
28.0	902.593
28.5	846.753
29.0	795.098
29.5	746.974
30.0	702.380
30.5	660.664
31.0	622.086
31.5	586.516
32.0	553.299
32.5	522.568
33.0	493.798
33.5	467.120
34.0	442.273
34.5	419.126
35.0	397.811
35.5	377.933
36.0	359.363
36.5	342.101
37.0	326.147
37.5	311.370
38.0	297.639
38.5	284.954
39.0	272.923
39.5	261.807
40.0	251.345
40.5	241.668
41.0	232.383
41.5	223.883
42.0	215.775
42.5	208.059
43.0	200.867
43.5	193.936
44.0	187.267
44.5	181.120
45.0	175.105
45.5	169.481
46.0	163.989
46.5	158.758
47.0	153.658
47.5	148.689
48.0	143.981
48.5	139.404
49.0	134.957
49.5	130.642
50.0	126.588
50.5	122.534
51.0	118.611
51.5	114.818
52.0	111.157
52.5	107.626
53.0	104.226
53.5	100.826
54.0	97.556
54.5	94.418

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CANDELA TABULATION - (Cont.)

55.0	91.410
55.5	88.402
56.0	85.525
56.5	82.779
57.0	80.033
57.5	77.417
58.0	74.802
58.5	72.317
59.0	69.963
59.5	67.609
60.0	65.386
60.5	63.163
61.0	61.071
61.5	59.109
62.0	57.148
62.5	55.186
63.0	53.355
63.5	51.524
64.0	49.824
64.5	48.124
65.0	46.555
65.5	44.986
66.0	43.417
66.5	41.978
67.0	40.409
67.5	39.101
68.0	37.663
68.5	36.355
69.0	35.047
69.5	33.739
70.0	32.562
70.5	31.385
71.0	30.208
71.5	29.032
72.0	27.985
72.5	26.939
73.0	25.893
73.5	24.847
74.0	23.801
74.5	22.754
75.0	21.839
75.5	20.793
76.0	19.877
76.5	18.962
77.0	18.047
77.5	17.131
78.0	16.216
78.5	15.300
79.0	14.385
79.5	13.470
80.0	12.554
80.5	11.639
81.0	10.723
81.5	9.939
82.0	9.023
82.5	8.108

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CANDELA TABULATION - (Cont.)

83.0	7.323
83.5	6.539
84.0	5.754
84.5	4.969
85.0	4.315
85.5	3.662
86.0	3.008
86.5	2.485
87.0	1.962
87.5	1.438
88.0	1.177
88.5	0.785
89.0	0.654
89.5	0.392
90.0	0.262
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
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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	1732.87	N.A.	59.20
0-30	2371.82	N.A.	81.00
0-40	2632.38	N.A.	89.90
0-60	2852.91	N.A.	97.40
0-80	2922.95	N.A.	99.80
0-90	2928.4	N.A.	100.00
10-90	2334.89	N.A.	79.70
20-40	899.51	N.A.	30.70
20-50	1037.25	N.A.	35.40
40-70	267.30	N.A.	9.10
60-80	70.04	N.A.	2.40
70-80	23.27	N.A.	0.80
80-90	5.45	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	2928.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	593.51
10-20	1139.35
20-30	638.96
30-40	260.55
40-50	137.74
50-60	82.79
60-70	46.77
70-80	23.27
80-90	5.45
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

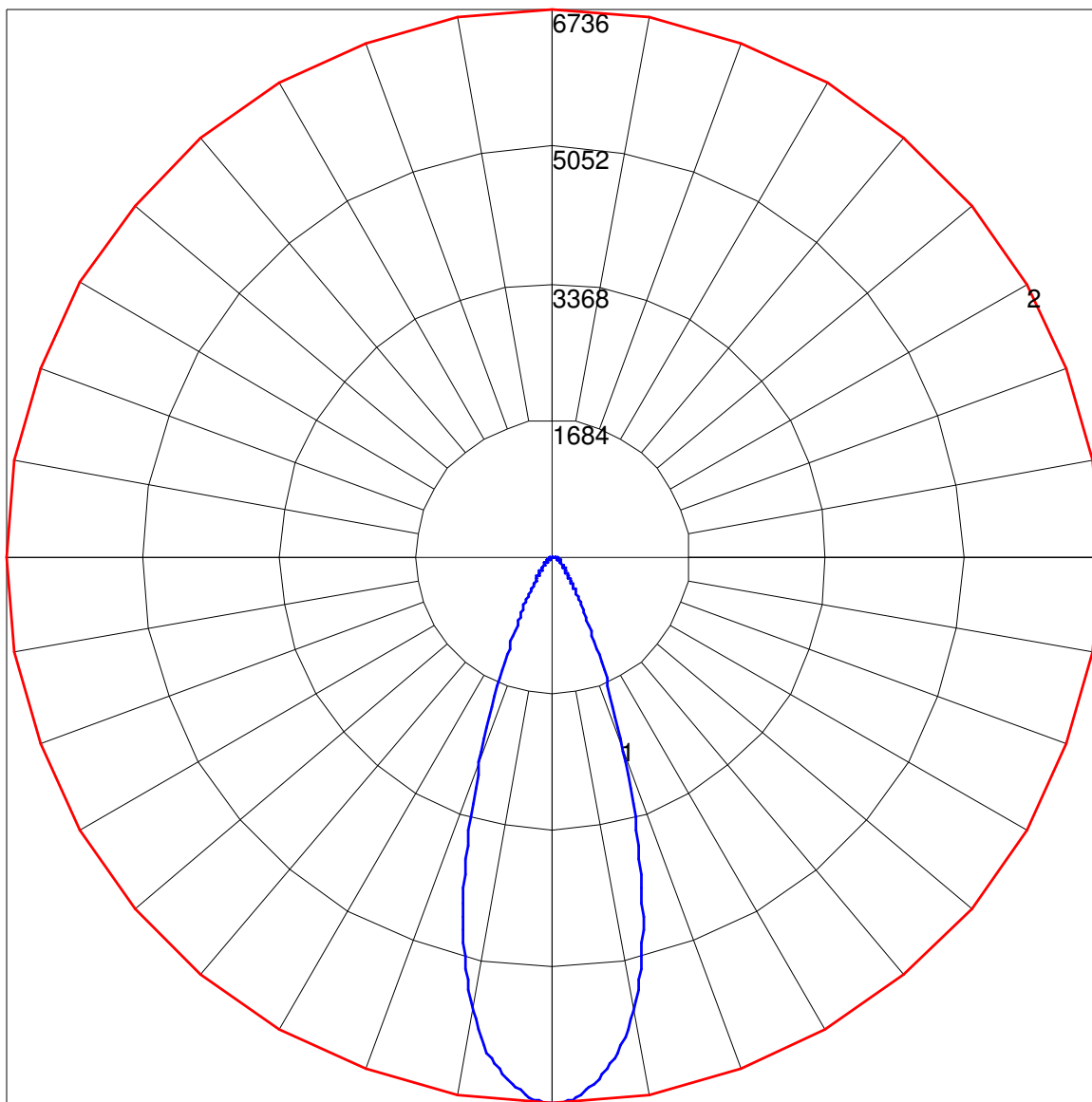
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	156	156	156	156	152	152	152	152	145	145	145	139	139	139	133	133	133	131
1	149	145	142	139	146	143	140	137	137	135	133	132	131	129	128	127	125	123
2	142	136	131	127	139	134	129	126	130	126	123	126	123	120	122	120	118	116
3	136	128	122	117	133	126	121	116	123	118	114	120	116	113	117	114	111	109
4	130	121	114	109	128	119	113	109	117	111	107	114	110	106	112	108	105	103
5	124	115	108	103	122	113	107	102	111	106	101	109	104	100	107	103	100	98
6	119	109	102	97	118	108	101	97	106	100	96	104	99	95	103	98	95	93
7	115	104	97	92	113	103	96	92	101	96	91	100	95	91	99	94	90	89
8	110	99	92	88	109	99	92	87	97	91	87	96	91	87	95	90	86	85
9	106	95	88	84	105	95	88	84	93	87	83	92	87	83	91	86	83	81
10	102	91	85	80	101	91	84	80	90	84	80	89	84	80	88	83	80	78

POLAR GRAPH



Maximum Candela = 6736.102 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.)