



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6PR-TL-L70-835-DIM-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-TL-L70-835-DIM-LW-OF-WH
 [LUMINAIRE] Black formed aluminum housing, white reflector, clear glas
 [MORE] s patterned lens enclosure
 [LAMP] One white LED
 [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	7023
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	78.2
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	163182	163182	163182
55	80570	80570	80570
65	54576	54576	54576
75	40587	40587	40587
85	28108	28108	28108

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CANDELA TABULATION

	<u>0</u>
0.0	3718.005
0.5	3714.824
1.0	3711.644
1.5	3708.463
2.0	3702.102
2.5	3695.741
3.0	3686.200
3.5	3679.839
4.0	3670.297
4.5	3660.756
5.0	3651.214
5.5	3641.673
6.0	3632.131
6.5	3622.590
7.0	3613.048
7.5	3600.326
8.0	3590.785
8.5	3581.243
9.0	3568.521
9.5	3555.799
10.0	3546.258
10.5	3533.536
11.0	3520.814
11.5	3511.272
12.0	3498.550
12.5	3485.828
13.0	3473.106
13.5	3460.384
14.0	3447.662
14.5	3434.940
15.0	3419.038
15.5	3406.316
16.0	3393.594
16.5	3380.872
17.0	3364.969
17.5	3352.247
18.0	3342.706
18.5	3329.984
19.0	3317.262
19.5	3304.540
20.0	3291.818
20.5	3282.276
21.0	3269.554
21.5	3256.832
22.0	3240.930
22.5	3225.027
23.0	3212.305
23.5	3193.222
24.0	3178.274
24.5	3161.417
25.0	3144.242
25.5	3127.068
26.0	3109.893
26.5	3092.082

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CANDELA TABULATION - (Cont.)

27.0	3074.589
27.5	3057.097
28.0	3039.604
28.5	3022.429
29.0	3005.891
29.5	2989.034
30.0	2970.905
30.5	2952.776
31.0	2933.693
31.5	2913.974
32.0	2892.347
32.5	2869.447
33.0	2845.911
33.5	2820.467
34.0	2793.115
34.5	2763.855
35.0	2733.322
35.5	2700.245
36.0	2665.895
36.5	2629.637
37.0	2591.153
37.5	2551.715
38.0	2510.369
38.5	2466.478
39.0	2420.997
39.5	2373.289
40.0	2324.627
40.5	2273.739
41.0	2223.806
41.5	2171.645
42.0	2118.531
42.5	2063.190
43.0	2006.896
43.5	1948.692
44.0	1889.853
44.5	1829.424
45.0	1767.722
45.5	1704.112
46.0	1638.594
46.5	1572.439
47.0	1505.649
47.5	1439.494
48.0	1373.658
48.5	1308.458
49.0	1245.802
49.5	1183.782
50.0	1125.897
50.5	1069.602
51.0	1017.442
51.5	968.462
52.0	922.663
52.5	880.044
53.0	839.970
53.5	802.758
54.0	769.045
54.5	737.240

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CANDELA TABULATION - (Cont.)

55.0	707.979
55.5	680.945
56.0	655.819
56.5	632.283
57.0	609.384
57.5	588.074
58.0	568.037
58.5	548.636
59.0	530.825
59.5	513.651
60.0	496.476
60.5	480.256
61.0	464.353
61.5	449.087
62.0	434.138
62.5	419.826
63.0	405.832
63.5	392.156
64.0	378.798
64.5	366.076
65.0	353.354
65.5	341.268
66.0	329.182
66.5	317.414
67.0	305.964
67.5	295.150
68.0	284.019
68.5	273.841
69.0	263.345
69.5	253.486
70.0	243.626
70.5	234.403
71.0	225.497
71.5	216.592
72.0	208.005
72.5	200.053
73.0	191.784
73.5	183.833
74.0	176.200
74.5	168.567
75.0	160.933
75.5	153.936
76.0	146.621
76.5	139.942
77.0	132.945
77.5	126.266
78.0	119.587
78.5	113.226
79.0	106.865
79.5	100.504
80.0	94.461
80.5	88.418
81.0	82.375
81.5	76.332
82.0	70.607
82.5	64.882

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CANDELA TABULATION - (Cont.)

83.0	59.157
83.5	53.750
84.0	48.026
84.5	42.937
85.0	37.530
85.5	32.441
86.0	27.352
86.5	22.582
87.0	18.129
87.5	14.312
88.0	11.132
88.5	8.269
89.0	6.043
89.5	4.135
90.0	2.544
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	1310.62	N.A.	18.70
0-30	2759.56	N.A.	39.30
0-40	4449.77	N.A.	63.40
0-60	6451.71	N.A.	91.90
0-80	6978.86	N.A.	99.40
0-90	7023.29	N.A.	100.00
10-90	6678.11	N.A.	95.10
20-40	3139.15	N.A.	44.70
20-50	4480.32	N.A.	63.80
40-70	2356.48	N.A.	33.60
60-80	527.15	N.A.	7.50
70-80	172.61	N.A.	2.50
80-90	44.43	N.A.	0.60
90-110	0.07	N.A.	0.00
90-120	0.07	N.A.	0.00
90-130	0.07	N.A.	0.00
90-150	0.07	N.A.	0.00
90-180	0.07	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	7023.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	345.18
10-20	965.45
20-30	1448.94
30-40	1690.21
40-50	1341.17
50-60	660.77
60-70	354.54
70-80	172.61
80-90	44.43
90-100	0.07
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

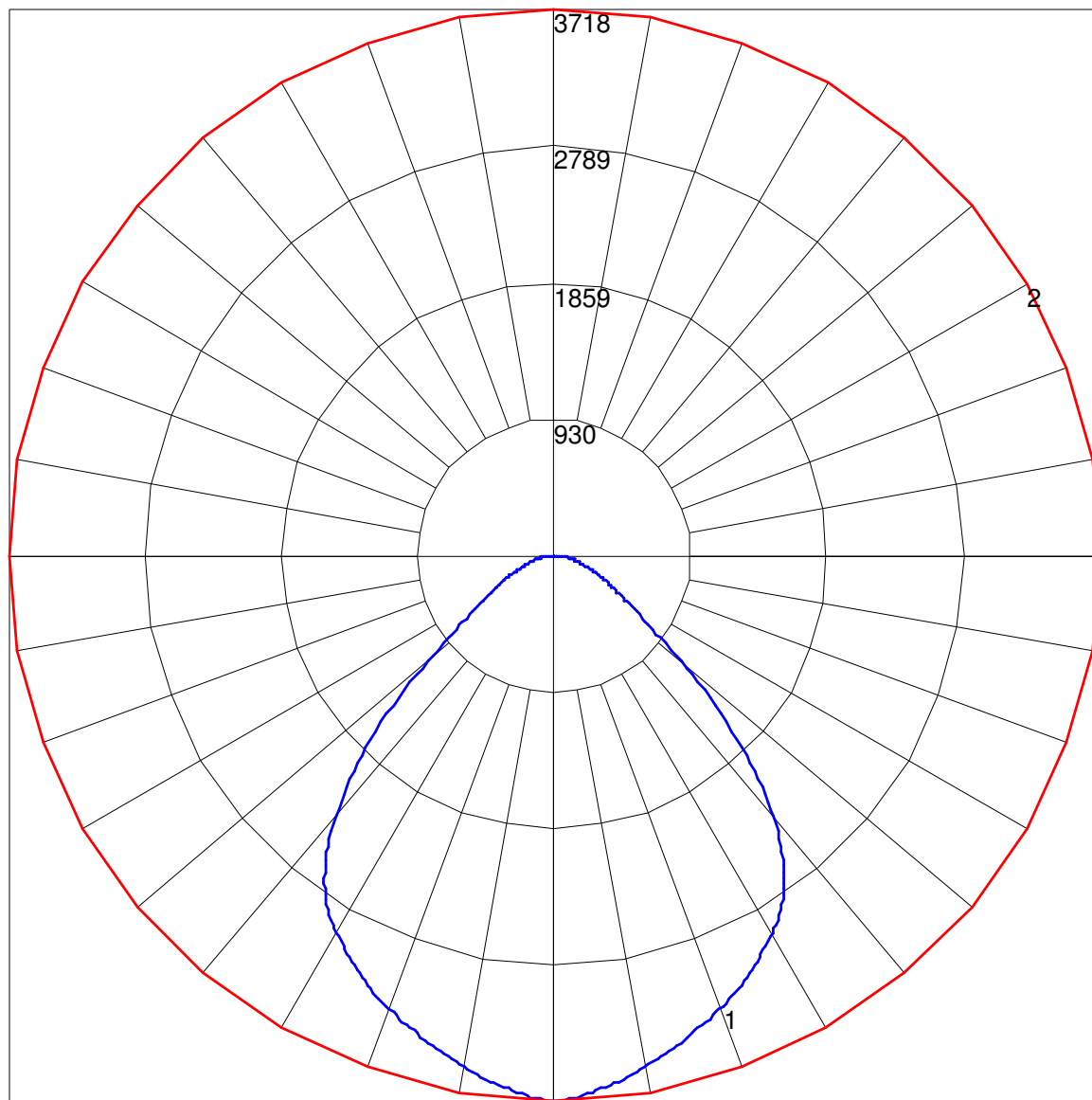
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	379	379	379	379	370	370	370	370	353	353	353	338	338	338	325	325	325	318
1	353	341	331	321	345	334	325	316	321	313	306	309	303	297	298	293	288	282
2	328	307	289	274	320	301	285	271	290	277	265	280	269	259	271	262	254	248
3	304	276	255	238	297	272	252	236	263	246	232	254	240	228	247	235	224	218
4	282	250	226	208	276	246	224	207	239	219	204	232	215	202	225	211	199	193
5	262	227	203	184	256	224	201	184	217	197	182	212	194	180	206	191	178	172
6	244	207	182	165	239	205	181	164	199	178	163	194	176	161	189	173	160	154
7	228	190	165	148	223	188	164	148	183	162	147	179	160	146	175	158	145	139
8	214	175	151	134	209	173	150	134	169	148	133	165	146	132	162	144	132	126
9	200	162	138	122	196	160	137	122	156	136	121	153	134	121	150	133	120	115
10	188	150	127	112	185	148	126	112	145	125	111	143	124	111	140	123	110	105

POLAR GRAPH



Maximum Candela = 3718.005 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.)