



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6PR-P29-835-DIM-POE-LN-OF-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from 12326812.32
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 6/8/2018
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] 6PR-P29-835-DIM-PoE-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	2957
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	25
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	12919	12919	12919
55	9765	9765	9765
65	7394	7394	7394
75	5311	5311	5311
85	3232	3232	3232

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CANDELA TABULATION

	<u>0</u>
0.0	10918.892
0.5	10908.428
1.0	10877.037
1.5	10822.103
2.0	10744.933
2.5	10645.527
3.0	10525.195
3.5	10385.242
4.0	10229.595
4.5	10058.251
5.0	9871.212
5.5	9667.170
6.0	9444.816
6.5	9206.766
7.0	8956.945
7.5	8694.044
8.0	8420.679
8.5	8138.158
9.0	7846.482
9.5	7548.266
10.0	7243.510
10.5	6936.139
11.0	6622.227
11.5	6309.623
12.0	5999.636
12.5	5690.956
13.0	5387.508
13.5	5085.368
14.0	4791.076
14.5	4505.940
15.0	4231.267
15.5	3965.750
16.0	3713.313
16.5	3471.339
17.0	3242.445
17.5	3024.015
18.0	2818.665
18.5	2626.394
19.0	2445.895
19.5	2277.167
20.0	2118.903
20.5	1969.795
21.0	1829.843
21.5	1701.663
22.0	1581.330
22.5	1468.845
23.0	1361.592
23.5	1263.494
24.0	1171.544
24.5	1086.788
25.0	1008.310
25.5	935.326
26.0	868.227
26.5	806.491

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CANDELA TABULATION - (Cont.)

27.0	749.333
27.5	696.622
28.0	648.227
28.5	604.149
29.0	563.995
29.5	527.241
30.0	493.103
30.5	461.973
31.0	433.590
31.5	407.693
32.0	383.888
32.5	362.306
33.0	342.294
33.5	323.983
34.0	307.241
34.5	291.807
35.0	277.812
35.5	264.863
36.0	252.960
36.5	241.974
37.0	231.902
37.5	222.616
38.0	213.983
38.5	206.135
39.0	198.811
39.5	191.878
40.0	185.600
40.5	179.714
41.0	174.090
41.5	168.989
42.0	164.150
42.5	159.572
43.0	155.255
43.5	151.070
44.0	147.146
44.5	143.484
45.0	139.952
45.5	136.552
46.0	133.282
46.5	130.143
47.0	127.134
47.5	124.126
48.0	121.248
48.5	118.371
49.0	115.624
49.5	112.877
50.0	110.261
50.5	107.646
51.0	105.030
51.5	102.414
52.0	100.059
52.5	97.574
53.0	95.089
53.5	92.735
54.0	90.380
54.5	88.157

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CANDELA TABULATION - (Cont.)

55.0	85.803
55.5	83.579
56.0	81.486
56.5	79.393
57.0	77.301
57.5	75.208
58.0	73.246
58.5	71.284
59.0	69.322
59.5	67.491
60.0	65.529
60.5	63.698
61.0	61.867
61.5	60.036
62.0	58.204
62.5	56.504
63.0	54.804
63.5	52.973
64.0	51.272
64.5	49.572
65.0	47.872
65.5	46.171
66.0	44.602
66.5	42.901
67.0	41.332
67.5	39.893
68.0	38.323
68.5	36.885
69.0	35.446
69.5	34.138
70.0	32.699
70.5	31.522
71.0	30.214
71.5	28.906
72.0	27.598
72.5	26.552
73.0	25.375
73.5	24.197
74.0	23.151
74.5	22.105
75.0	21.058
75.5	20.012
76.0	19.096
76.5	18.050
77.0	17.134
77.5	16.219
78.0	15.303
78.5	14.518
79.0	13.603
79.5	12.818
80.0	11.902
80.5	11.118
81.0	10.333
81.5	9.548
82.0	8.763
82.5	7.979

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CANDELA TABULATION - (Cont.)

83.0	7.194
83.5	6.409
84.0	5.624
84.5	4.839
85.0	4.316
85.5	3.532
86.0	2.878
86.5	2.354
87.0	1.831
87.5	1.570
88.0	1.308
88.5	1.046
89.0	0.785
89.5	0.654
90.0	0.523
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	2021.01	N.A.	68.40
0-30	2510.79	N.A.	84.90
0-40	2694.08	N.A.	91.10
0-60	2880.89	N.A.	97.40
0-80	2951.24	N.A.	99.80
0-90	2956.58	N.A.	100.00
10-90	2099.95	N.A.	71.00
20-40	673.07	N.A.	22.80
20-50	782.63	N.A.	26.50
40-70	234.51	N.A.	7.90
60-80	70.35	N.A.	2.40
70-80	22.65	N.A.	0.80
80-90	5.34	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	2956.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	856.63
10-20	1164.38
20-30	489.78
30-40	183.29
40-50	109.56
50-60	77.25
60-70	47.70
70-80	22.65
80-90	5.34
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

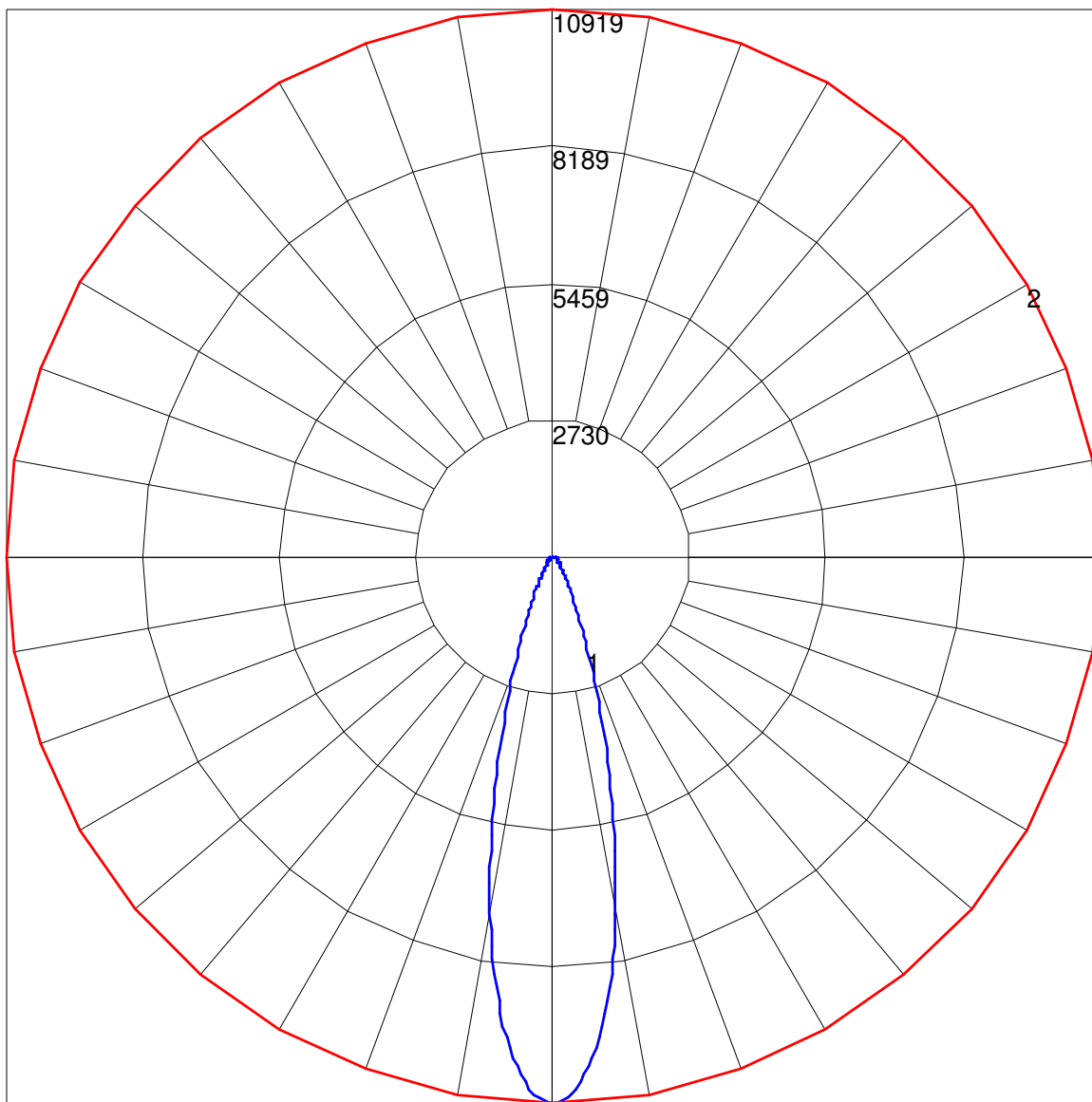
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	146	143	141	146	143	141	138	138	136	134	133	132	130	129	127	126	124
2	143	138	133	129	140	135	131	128	131	128	125	127	125	122	124	122	120	118
3	138	130	125	120	135	129	123	119	125	121	117	122	119	116	119	116	114	112
4	132	124	118	113	130	122	117	112	120	115	111	117	113	110	115	112	109	107
5	127	118	112	107	125	117	111	107	115	110	106	113	108	105	111	107	104	102
6	123	113	107	102	121	112	106	102	111	105	101	109	104	101	107	103	100	98
7	119	109	102	98	117	108	102	98	107	101	97	105	100	97	104	100	96	95
8	115	105	98	94	113	104	98	94	103	97	94	102	97	93	100	96	93	91
9	111	101	95	91	110	101	95	91	99	94	90	98	94	90	97	93	90	88
10	108	98	92	88	107	97	91	88	96	91	87	95	91	87	95	90	87	86

POLAR GRAPH



Maximum Candela = 10918.892 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.)