



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from 12326812.29
[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-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	2888
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	25
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	67108	67108	67108
55	33134	33134	33134
65	22444	22444	22444
75	16691	16691	16691
85	11559	11559	11559

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CANDELA TABULATION

	<u>0</u>
0.0	1529.018
0.5	1527.710
1.0	1526.402
1.5	1525.094
2.0	1522.478
2.5	1519.862
3.0	1515.938
3.5	1513.322
4.0	1509.399
4.5	1505.475
5.0	1501.551
5.5	1497.627
6.0	1493.703
6.5	1489.779
7.0	1485.855
7.5	1480.623
8.0	1476.699
8.5	1472.775
9.0	1467.543
9.5	1462.312
10.0	1458.388
10.5	1453.156
11.0	1447.924
11.5	1444.000
12.0	1438.768
12.5	1433.536
13.0	1428.304
13.5	1423.072
14.0	1417.841
14.5	1412.609
15.0	1406.069
15.5	1400.837
16.0	1395.605
16.5	1390.373
17.0	1383.833
17.5	1378.601
18.0	1374.678
18.5	1369.446
19.0	1364.214
19.5	1358.982
20.0	1353.750
20.5	1349.826
21.0	1344.594
21.5	1339.362
22.0	1332.822
22.5	1326.283
23.0	1321.051
23.5	1313.203
24.0	1307.055
24.5	1300.123
25.0	1293.060
25.5	1285.997
26.0	1278.934
26.5	1271.609

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CANDELA TABULATION - (Cont.)

27.0	1264.416
27.5	1257.222
28.0	1250.028
28.5	1242.965
29.0	1236.163
29.5	1229.231
30.0	1221.776
30.5	1214.320
31.0	1206.472
31.5	1198.363
32.0	1189.469
32.5	1180.051
33.0	1170.372
33.5	1159.909
34.0	1148.660
34.5	1136.627
35.0	1124.070
35.5	1110.467
36.0	1096.341
36.5	1081.430
37.0	1065.604
37.5	1049.385
38.0	1032.382
38.5	1014.332
39.0	995.628
39.5	976.008
40.0	955.996
40.5	935.068
41.0	914.533
41.5	893.083
42.0	871.239
42.5	848.481
43.0	825.330
43.5	801.394
44.0	777.196
44.5	752.345
45.0	726.970
45.5	700.811
46.0	673.867
46.5	646.661
47.0	619.193
47.5	591.988
48.0	564.913
48.5	538.099
49.0	512.332
49.5	486.827
50.0	463.022
50.5	439.871
51.0	418.420
51.5	398.277
52.0	379.442
52.5	361.916
53.0	345.435
53.5	330.132
54.0	316.267
54.5	303.188

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CANDELA TABULATION - (Cont.)

55.0	291.154
55.5	280.037
56.0	269.704
56.5	260.025
57.0	250.607
57.5	241.844
58.0	233.604
58.5	225.625
59.0	218.300
59.5	211.237
60.0	204.174
60.5	197.504
61.0	190.964
61.5	184.686
62.0	178.538
62.5	172.652
63.0	166.897
63.5	161.273
64.0	155.779
64.5	150.547
65.0	145.316
65.5	140.345
66.0	135.375
66.5	130.536
67.0	125.827
67.5	121.380
68.0	116.802
68.5	112.616
69.0	108.300
69.5	104.245
70.0	100.191
70.5	96.397
71.0	92.735
71.5	89.073
72.0	85.541
72.5	82.271
73.0	78.871
73.5	75.601
74.0	72.462
74.5	69.322
75.0	66.183
75.5	63.306
76.0	60.297
76.5	57.551
77.0	54.673
77.5	51.926
78.0	49.180
78.5	46.564
79.0	43.948
79.5	41.332
80.0	38.847
80.5	36.362
81.0	33.876
81.5	31.391
82.0	29.037
82.5	26.683

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CANDELA TABULATION - (Cont.)

83.0	24.328
83.5	22.105
84.0	19.750
84.5	17.658
85.0	15.434
85.5	13.341
86.0	11.249
86.5	9.287
87.0	7.455
87.5	5.886
88.0	4.578
88.5	3.401
89.0	2.485
89.5	1.700
90.0	1.046
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
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124.0	0.000
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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	538.99	N.A.	18.70
0-30	1134.86	N.A.	39.30
0-40	1829.96	N.A.	63.40
0-60	2653.25	N.A.	91.90
0-80	2870.04	N.A.	99.40
0-90	2888.31	N.A.	100.00
10-90	2746.35	N.A.	95.10
20-40	1290.97	N.A.	44.70
20-50	1842.52	N.A.	63.80
40-70	969.09	N.A.	33.60
60-80	216.79	N.A.	7.50
70-80	70.99	N.A.	2.50
80-90	18.27	N.A.	0.60
90-110	0.03	N.A.	0.00
90-120	0.03	N.A.	0.00
90-130	0.03	N.A.	0.00
90-150	0.03	N.A.	0.00
90-180	0.03	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2888.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.95
10-20	397.04
20-30	595.87
30-40	695.09
40-50	551.55
50-60	271.74
60-70	145.80
70-80	70.99
80-90	18.27
90-100	0.03
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

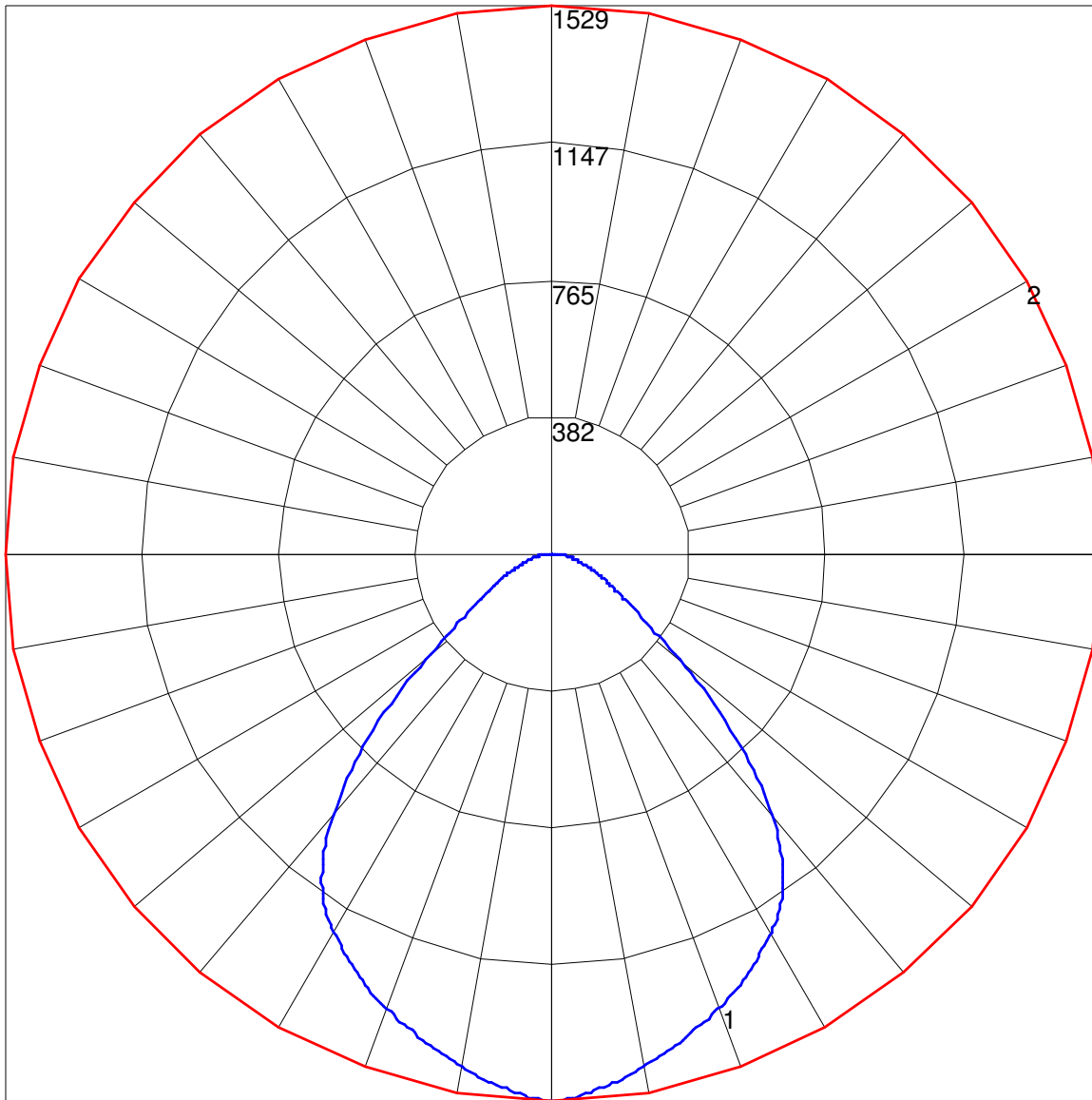
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	145	140	136	132	142	138	134	130	132	129	126	127	124	122	123	120	118	116
2	135	126	119	113	132	124	117	112	119	114	109	115	111	107	111	108	104	102
3	125	114	105	98	122	112	104	97	108	101	95	105	99	94	101	96	92	90
4	116	103	93	86	113	101	92	85	98	90	84	95	88	83	93	87	82	79
5	108	93	83	76	105	92	83	75	89	81	75	87	80	74	85	78	73	71
6	101	85	75	68	98	84	74	67	82	73	67	80	72	66	78	71	66	63
7	94	78	68	61	92	77	68	61	75	67	60	74	66	60	72	65	60	57
8	88	72	62	55	86	71	62	55	69	61	55	68	60	54	66	59	54	52
9	82	67	57	50	81	66	56	50	64	56	50	63	55	50	62	55	49	47
10	77	62	52	46	76	61	52	46	60	51	46	59	51	46	58	50	45	43

POLAR GRAPH



Maximum Candela = 1529.018 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.)