



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L70-835-DIM-UNV-ON-OF-CS.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN from 12326812.23  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 6/8/2018  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] 6DR-TL-L70-835-DIM-UNV-O-N-OF-CS  
 [LUMINAIRE] Black formed aluminum housing, specular reflector, no lens  
 [MORE] 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	7055
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	67.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.20
Spacing Criterion (90-270)	0.20
Spacing Criterion (Diagonal)	0.22
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 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	3542	3542	3542
55	1344	1344	1344
65	456	456	456
75	372	372	372
85	0	0	0

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 6DR-TL-L70-835-DIM-UNV-ON-OF-CS.IES

CANDELA TABULATION

	<u>0</u>
0.0	64974.248
0.5	64622.465
1.0	63531.939
1.5	61720.259
2.0	59064.300
2.5	55687.187
3.0	51764.811
3.5	47684.133
4.0	43445.152
4.5	39118.226
5.0	34949.602
5.5	30992.048
6.0	27368.687
6.5	24343.356
7.0	21880.878
7.5	19770.183
8.0	17976.091
8.5	16408.900
9.0	15029.912
9.5	13816.262
10.0	12743.325
10.5	11814.619
11.0	10993.207
11.5	10287.882
12.0	9659.950
12.5	9111.170
13.0	8636.263
13.5	8222.918
14.0	7864.100
14.5	7551.014
15.0	7280.141
15.5	7042.688
16.0	6826.342
16.5	6627.584
17.0	6442.898
17.5	6263.489
18.0	6091.116
18.5	5922.260
19.0	5755.163
19.5	5584.549
20.0	5406.899
20.5	5223.972
21.0	5034.009
21.5	4842.288
22.0	4645.289
22.5	4448.291
23.0	4251.293
23.5	4056.053
24.0	3867.850
24.5	3686.682
25.0	3519.585
25.5	3364.801
26.0	3222.329
26.5	3095.687

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 6DR-TL-L70-835-DIM-UNV-ON-OF-CS.IES**

**CANDELA TABULATION - (Cont.)**

27.0	2984.875
27.5	2893.412
28.0	2821.297
28.5	2766.770
29.0	2722.797
29.5	2671.789
30.0	2599.673
30.5	2506.451
31.0	2393.881
31.5	2256.685
32.0	2094.865
32.5	1906.662
33.0	1688.557
33.5	1461.657
34.0	1229.480
34.5	1002.580
35.0	791.511
35.5	606.825
36.0	452.041
36.5	327.158
37.0	228.659
37.5	156.543
38.0	110.812
38.5	87.946
39.0	82.669
39.5	77.392
40.0	73.874
40.5	70.357
41.0	66.839
41.5	63.321
42.0	61.562
42.5	58.044
43.0	56.285
43.5	52.767
44.0	51.008
44.5	47.491
45.0	45.732
45.5	43.973
46.0	42.214
46.5	38.696
47.0	36.937
47.5	35.178
48.0	33.419
48.5	31.660
49.0	29.902
49.5	28.143
50.0	26.384
50.5	24.625
51.0	22.866
51.5	21.107
52.0	19.348
52.5	19.348
53.0	17.589
53.5	15.830
54.0	15.830
54.5	14.071

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 6DR-TL-L70-835-DIM-UNV-ON-OF-CS.IES

CANDELA TABULATION - (Cont.)

55.0	14.071
55.5	12.312
56.0	12.312
56.5	10.553
57.0	10.553
57.5	10.553
58.0	8.795
58.5	8.795
59.0	8.795
59.5	8.795
60.0	7.036
60.5	7.036
61.0	7.036
61.5	7.036
62.0	5.277
62.5	5.277
63.0	5.277
63.5	5.277
64.0	5.277
64.5	5.277
65.0	3.518
65.5	3.518
66.0	3.518
66.5	3.518
67.0	3.518
67.5	3.518
68.0	3.518
68.5	3.518
69.0	3.518
69.5	3.518
70.0	1.759
70.5	1.759
71.0	1.759
71.5	1.759
72.0	1.759
72.5	1.759
73.0	1.759
73.5	1.759
74.0	1.759
74.5	1.759
75.0	1.759
75.5	1.759
76.0	1.759
76.5	1.759
77.0	1.759
77.5	1.759
78.0	1.759
78.5	1.759
79.0	1.759
79.5	1.759
80.0	0.000
80.5	0.000
81.0	0.000
81.5	0.000
82.0	0.000
82.5	0.000

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 6DR-TL-L70-835-DIM-UNV-ON-OF-CS.IES

CANDELA TABULATION - (Cont.)

83.0	0.000
83.5	0.000
84.0	0.000
84.5	0.000
85.0	0.000
85.5	0.000
86.0	0.000
86.5	0.000
87.0	0.000
87.5	0.000
88.0	0.000
88.5	0.000
89.0	0.000
89.5	0.000
90.0	0.000
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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 6DR-TL-L70-835-DIM-UNV-ON-OF-CS.IES

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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 6DR-TL-L70-835-DIM-UNV-ON-OF-CS.IES

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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 6DR-TL-L70-835-DIM-UNV-ON-OF-CS.IES**

**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



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 6DR-TL-L70-835-DIM-UNV-ON-OF-CS.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4712.13	N.A.	66.80
0-30	6385.19	N.A.	90.50
0-40	6999.44	N.A.	99.20
0-60	7048.43	N.A.	99.90
0-80	7054.8	N.A.	100.00
0-90	7054.8	N.A.	100.00
10-90	4469.08	N.A.	63.30
20-40	2287.31	N.A.	32.40
20-50	2323.33	N.A.	32.90
40-70	53.54	N.A.	0.80
60-80	6.37	N.A.	0.10
70-80	1.81	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	7054.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	2585.72
10-20	2126.42
20-30	1673.06
30-40	614.25
40-50	36.02
50-60	12.97
60-70	4.55
70-80	1.81
80-90	0.00
90-100	0.00
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

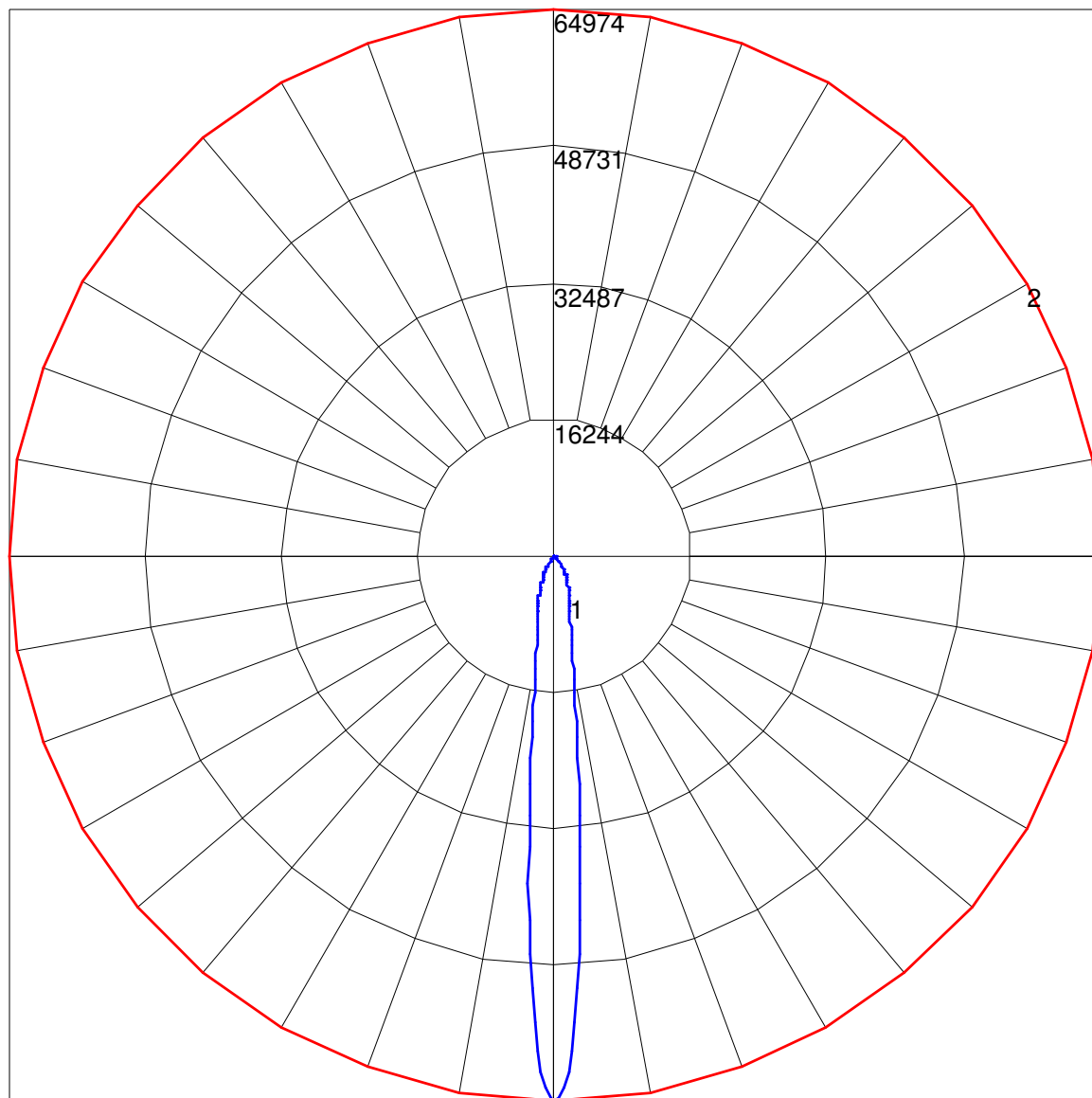
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 6DR-TL-L70-835-DIM-UNV-ON-OF-CS.IES**

**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	209	209	209	209	205	205	205	205	195	195	195	187	187	187	179	179	179	176
1	202	198	195	192	198	194	191	188	187	185	183	181	179	177	175	174	172	169
2	195	188	183	178	191	185	180	176	180	176	172	175	172	169	170	168	165	163
3	188	180	173	168	185	177	171	166	173	168	164	169	165	161	165	162	159	156
4	182	172	165	159	179	170	163	158	167	161	156	163	158	155	160	156	153	151
5	176	165	157	152	173	163	156	151	161	154	150	158	153	149	155	151	147	145
6	170	159	151	145	168	157	150	145	155	149	144	153	147	143	151	146	142	140
7	165	153	145	140	163	152	145	139	150	144	139	148	142	138	146	141	137	136
8	160	148	140	135	158	147	140	135	145	139	134	144	138	134	142	137	133	131
9	155	143	135	130	154	142	135	130	141	134	130	140	134	129	138	133	129	127
10	151	139	131	126	150	138	131	126	137	130	126	136	130	126	135	129	125	124

POLAR GRAPH



Maximum Candela = 64974.248 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.)