

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6LDR-L10-935-CS-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 4792018053.03
[TESTLAB] UL, LLC
[ISSUE DATE] 2025-12-11
[TEST DATE] 11/12/2025
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] 6LDR-L10-935-CS-DIM-UNV
[LUMINAIRE] 6" recessed downlight with clear semi-specular finish refl
[MORE] ector and top diffuser lens
[LAMP] LED
[BALLAST] 0-10V LED DRIVER

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	851
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	9.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.86
Spacing Criterion (Diagonal)	0.90
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	8512	8512	8512
55	932	932	932
65	103	103	103
75	38	38	38
85	32	32	32

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6LDR-L10-935-CS-DIM-UNV_.IES

CANDELA TABULATION

	<u>0</u>
0.0	938.883
0.5	938.883
1.0	938.883
1.5	939.396
2.0	939.910
2.5	940.424
3.0	940.938
3.5	941.195
4.0	940.681
4.5	939.653
5.0	937.598
5.5	934.771
6.0	930.660
6.5	926.035
7.0	920.382
7.5	914.216
8.0	905.993
8.5	898.028
9.0	888.778
9.5	878.243
10.0	867.708
10.5	856.146
11.0	843.812
11.5	830.451
12.0	818.118
12.5	804.756
13.0	790.624
13.5	779.319
14.0	766.214
14.5	753.624
15.0	742.318
15.5	731.784
16.0	719.964
16.5	711.228
17.0	701.721
17.5	692.214
18.0	683.735
18.5	674.485
19.0	666.262
19.5	658.297
20.0	650.332
20.5	642.366
21.0	634.401
21.5	626.436
22.0	618.470
22.5	609.734
23.0	601.512
23.5	592.776
24.0	583.782
24.5	574.532
25.0	564.768
25.5	554.491
26.0	543.956
26.5	532.650

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6LDR-L10-935-CS-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	521.088
27.5	509.268
28.0	496.678
28.5	484.087
29.0	470.983
29.5	458.136
30.0	444.517
30.5	431.156
31.0	417.538
31.5	404.177
32.0	390.559
32.5	376.941
33.0	363.579
33.5	350.475
34.0	337.114
34.5	324.266
35.0	312.704
35.5	300.370
36.0	288.037
36.5	275.961
37.0	263.884
37.5	251.987
38.0	240.373
38.5	228.965
39.0	217.814
39.5	206.919
40.0	196.281
40.5	186.029
41.0	176.008
41.5	166.399
42.0	157.123
42.5	148.258
43.0	139.779
43.5	131.736
44.0	124.028
44.5	116.782
45.0	109.896
45.5	103.344
46.0	97.126
46.5	91.190
47.0	85.512
47.5	80.065
48.0	74.823
48.5	69.735
49.0	64.725
49.5	59.817
50.0	54.961
50.5	50.130
51.0	45.325
51.5	40.469
52.0	35.638
52.5	30.731
53.0	25.875
53.5	21.198
54.0	16.856
54.5	13.027

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6LDR-L10-935-CS-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	9.764
55.5	7.246
56.0	5.473
56.5	4.291
57.0	3.546
57.5	3.032
58.0	2.647
58.5	2.364
59.0	2.133
59.5	1.927
60.0	1.747
60.5	1.619
61.0	1.465
61.5	1.362
62.0	1.259
62.5	1.156
63.0	1.053
63.5	0.976
64.0	0.925
64.5	0.848
65.0	0.797
65.5	0.719
66.0	0.694
66.5	0.642
67.0	0.591
67.5	0.540
68.0	0.514
68.5	0.463
69.0	0.437
69.5	0.411
70.0	0.385
70.5	0.360
71.0	0.334
71.5	0.308
72.0	0.283
72.5	0.257
73.0	0.231
73.5	0.231
74.0	0.206
74.5	0.206
75.0	0.180
75.5	0.180
76.0	0.154
76.5	0.154
77.0	0.128
77.5	0.128
78.0	0.128
78.5	0.103
79.0	0.103
79.5	0.103
80.0	0.077
80.5	0.077
81.0	0.077
81.5	0.077
82.0	0.077
82.5	0.051

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6LDR-L10-935-CS-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	0.051
83.5	0.051
84.0	0.051
84.5	0.051
85.0	0.051
85.5	0.051
86.0	0.026
86.5	0.026
87.0	0.026
87.5	0.026
88.0	0.026
88.5	0.026
89.0	0.026
89.5	0.026
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 : 6LDR-L10-935-CS-DIM-UNV_.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 : 6LDR-L10-935-CS-DIM-UNV_.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 : 6LDR-L10-935-CS-DIM-UNV_.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 : 6LDR-L10-935-CS-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	296.28	N.A.	34.80
0-30	551.80	N.A.	64.90
0-40	746.53	N.A.	87.80
0-60	849.54	N.A.	99.90
0-80	850.61	N.A.	100.00
0-90	850.66	N.A.	100.00
10-90	763.35	N.A.	89.70
20-40	450.25	N.A.	52.90
20-50	538.06	N.A.	63.30
40-70	103.87	N.A.	12.20
60-80	1.07	N.A.	0.10
70-80	0.21	N.A.	0.00
80-90	0.05	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	850.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	87.31
10-20	208.97
20-30	255.52
30-40	194.73
40-50	87.81
50-60	15.20
60-70	0.86
70-80	0.21
80-90	0.05
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

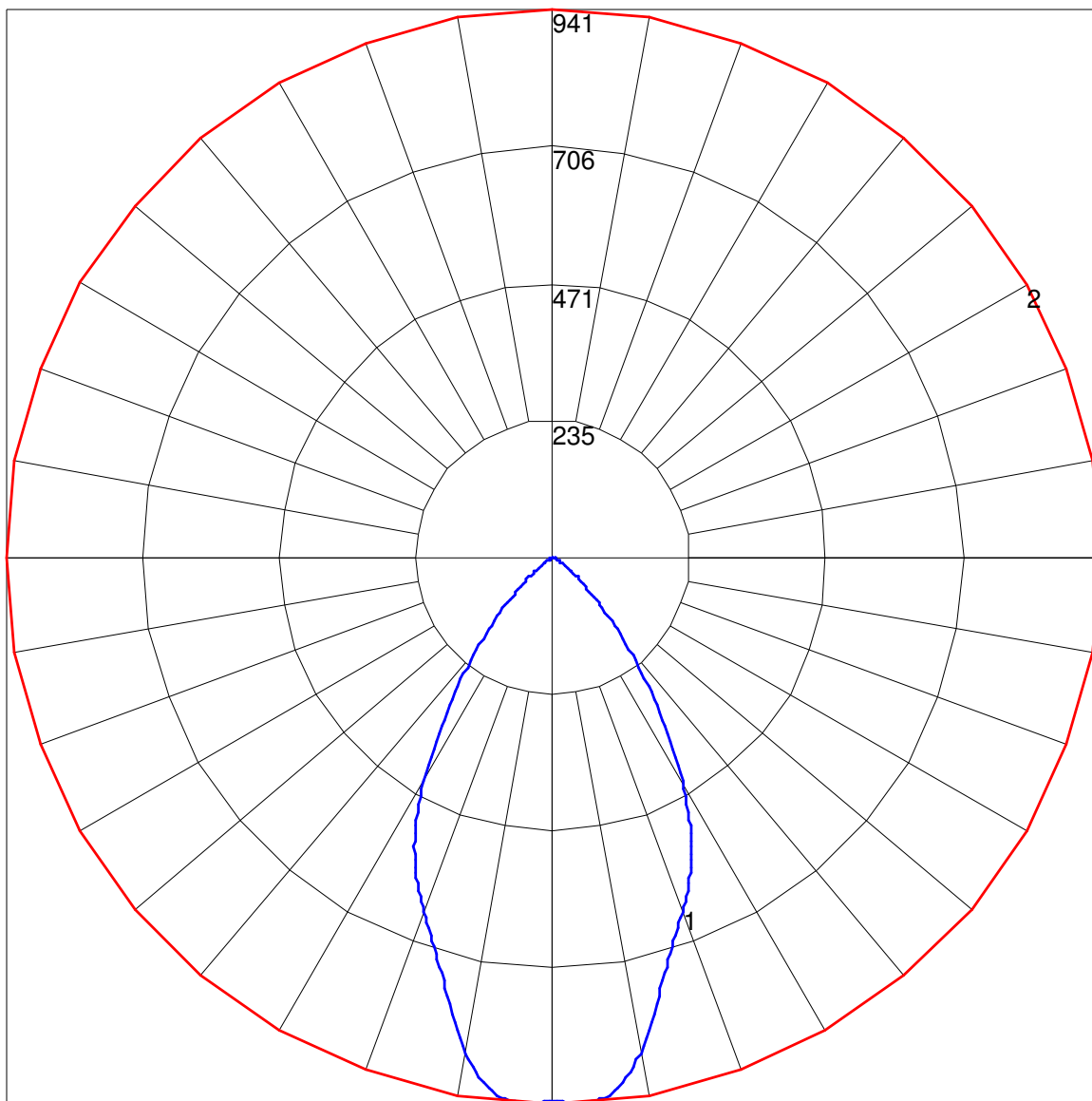
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6LDR-L10-935-CS-DIM-UNV_.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	82	86	84	81	80
4	96	88	83	78	94	87	82	78	85	81	77	83	79	76	81	78	75	74
5	91	82	76	72	89	81	76	72	80	75	71	78	74	70	76	73	70	68
6	86	77	71	66	85	76	70	66	75	70	66	73	69	65	72	68	65	63
7	82	72	66	61	80	71	66	61	70	65	61	69	64	61	68	64	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55
9	74	64	58	53	73	63	57	53	62	57	53	61	56	53	60	56	53	51
10	70	60	54	50	69	60	54	50	59	53	50	58	53	50	57	53	50	48

POLAR GRAPH



Maximum Candela = 941.195 Located At Horizontal Angle = 0, Vertical Angle = 3.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3.5) (Through Max. Cd.)