

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P760987

Luminaire Tested: LD6D15D010-EU6DR1515309035-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760987  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D15D010-EU6DR1515309035-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1287.0 lumens  
Efficiency: N/A  
Efficacy: 81.5 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



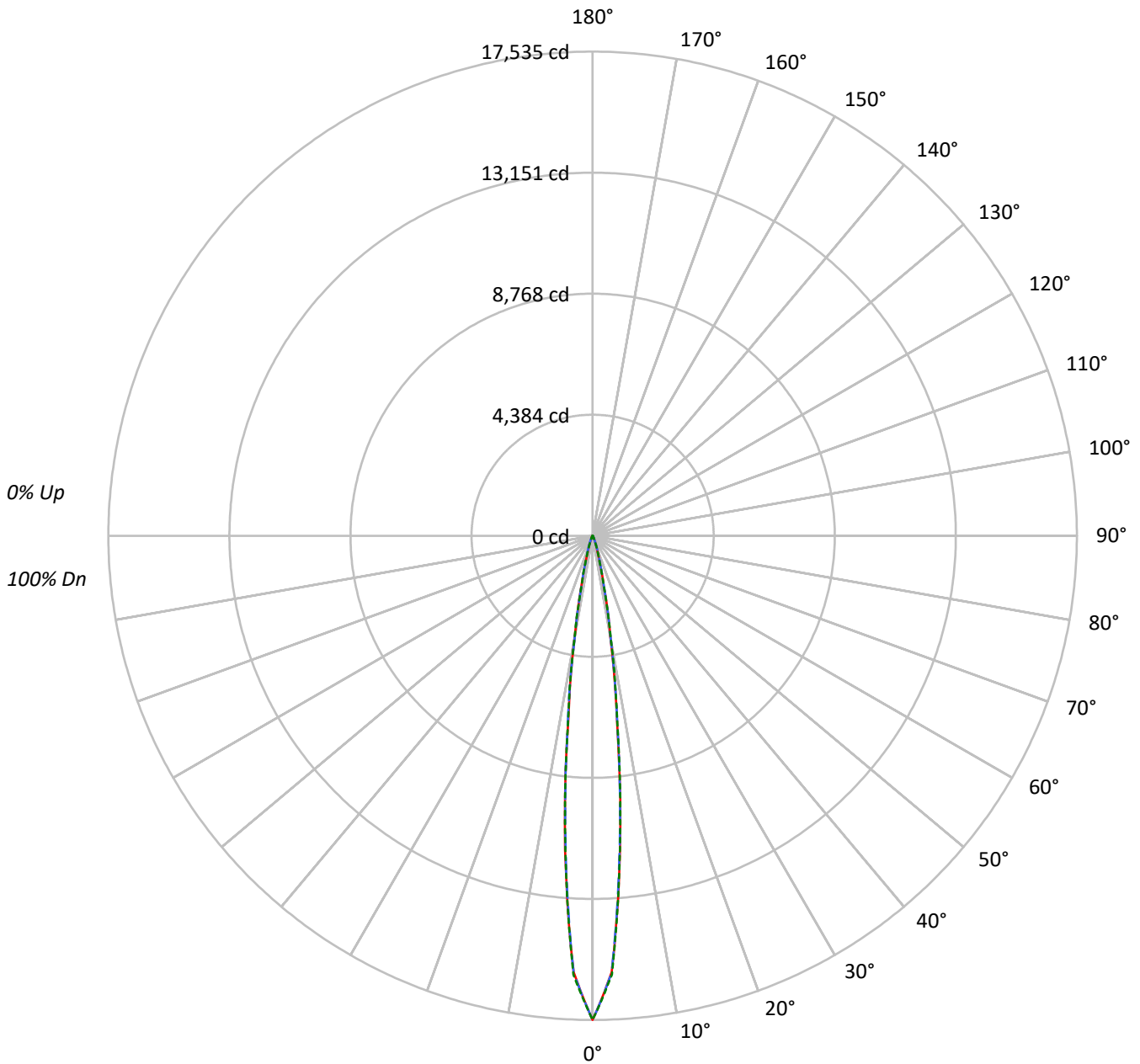
Downlight



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1973015	1973015	1973015
5°	1159433	1144423	1153478
10°	346041	348467	353794
15°	86075	87751	85042
20°	25750	29824	26298
25°	9075	11568	9192
30°	3332	4388	3392
35°	1670	1888	1619
40°	1051	1158	1051
45°	777	833	777
50°	619	619	619
55°	515	515	515
60°	414	414	414
65°	321	321	321
70°	271	271	271
75°	166	166	227
80°	118	118	118
85°	58	58	58

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 833 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	834.7	64.9
10°-20°	343.3	26.7
20°-30°	68.2	5.3
30°-40°	17.0	1.3
40°-50°	9.0	0.7
50°-60°	6.6	0.5
60°-70°	4.7	0.4
70°-80°	2.7	0.2
80°-90°	0.8	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1246.2	96.8
0°-40°	1263.2	98.2
0°-60°	1278.8	99.4
0°-90°	1287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1287.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17535	17535	17535	17535	17535	
5°	11408	11291	11261	11339	11350	833
15°	991	1010	1010	992	979	340
25°	116	132	148	131	118	61
35°	23	24	26	24	22	16
45°	11	11	12	11	11	9
55°	7	7	7	7	7	7
65°	4	4	4	4	4	5
75°	2	2	2	2	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	17534.8	17534.8	17534.8	17534.8	17534.8
2.5°	15817.1	15830.5	15835.7	15851.3	15909.2
5°	11408.5	11291.3	11260.8	11338.8	11349.9
7.5°	6758.0	6781.7	6868.6	6887.9	6818.1
10°	3708.6	3739.0	3734.6	3761.3	3791.7
12.5°	1896.6	1872.8	1865.4	1895.9	1853.5
15°	991.0	1009.5	1010.3	992.5	979.1
17.5°	533.0	554.5	590.1	561.2	516.6
20°	314.7	334.0	364.5	340.7	321.4
22.5°	194.5	210.1	231.6	213.0	197.5
25°	116.5	132.1	148.5	131.4	118.0
27.5°	69.0	82.4	92.8	81.7	68.3
30°	44.5	52.0	58.6	51.2	45.3
32.5°	31.2	34.1	37.1	34.1	31.2
35°	23.0	24.5	26.0	24.5	22.3
37.5°	17.8	19.3	20.0	18.6	17.1
40°	14.8	15.6	16.3	15.6	14.8
42.5°	12.6	13.4	13.4	13.4	12.6
45°	11.1	11.1	11.9	11.1	11.1
47.5°	9.7	9.7	10.4	9.7	9.7
50°	8.9	8.9	8.9	8.9	8.9
52.5°	8.2	8.2	8.2	8.2	8.2
55°	7.4	7.4	7.4	7.4	7.4
57.5°	6.7	6.7	6.7	6.7	6.7
60°	5.9	5.9	5.9	5.9	5.9
62.5°	5.2	5.2	5.2	5.2	5.2
65°	4.5	4.5	4.5	4.5	4.5
67.5°	4.5	4.5	4.5	4.5	4.5
70°	3.7	3.7	3.7	3.7	3.7
72.5°	3.0	3.0	3.0	3.0	3.0
75°	2.2	2.2	2.2	2.2	3.0
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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