

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: P759966

Luminaire Tested: LD6D10D010-EU6DR150210IC9035-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P759966  
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: LD6D10D010-EU6DR150210IC9035-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1014.7 lumens  
Efficiency: N/A  
Efficacy: 86.7 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): 11.7  
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



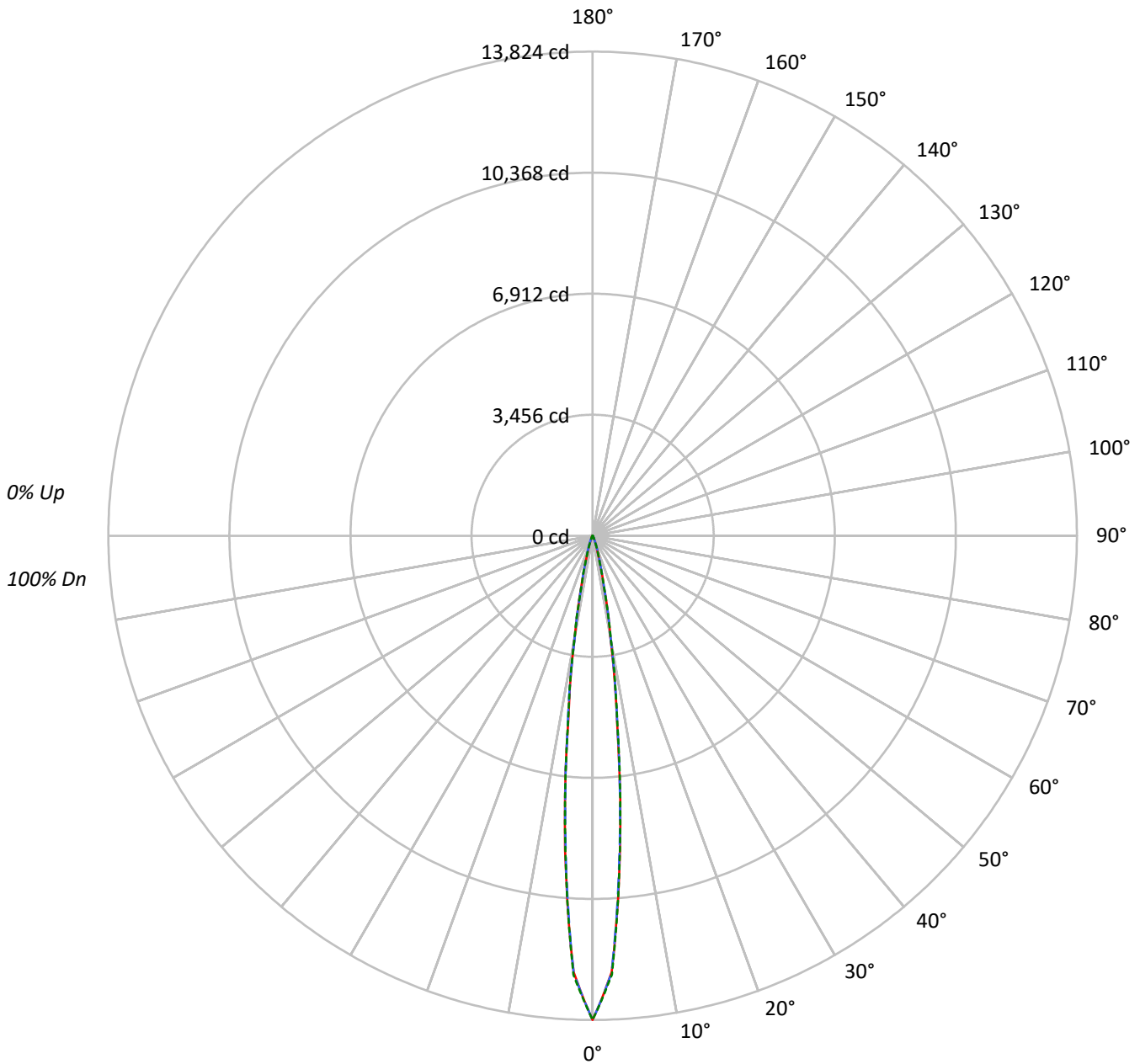
Downlight



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

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

	0°	45°	90°
0°	1555532	1555532	1555532
5°	914101	902272	909406
10°	272822	274726	278934
15°	67861	69181	67045
20°	20300	23516	20734
25°	7159	9114	7253
30°	2628	3460	2673
35°	1314	1489	1278
40°	831	916	831
45°	616	658	616
50°	487	487	487
55°	411	411	411
60°	330	330	330
65°	250	250	250
70°	212	212	212
75°	136	136	174
80°	95	95	95
85°	50	50	50

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 658 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	658.1	64.9
10°-20°	270.7	26.7
20°-30°	53.8	5.3
30°-40°	13.4	1.3
40°-50°	7.0	0.7
50°-60°	5.2	0.5
60°-70°	3.7	0.4
70°-80°	2.1	0.2
80°-90°	0.7	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°	982.5	96.8
0°-40°	995.9	98.2
0°-60°	1008.2	99.4
0°-90°	1014.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1014.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	13824	13824	13824	13824	13824	
5°	8994	8902	8878	8940	8948	657
15°	781	796	796	782	772	268
25°	92	104	117	104	93	48
35°	18	19	20	19	18	12
45°	9	9	9	9	9	7
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
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°	13824.5	13824.5	13824.5	13824.5	13824.5
2.5°	12470.3	12480.8	12484.9	12497.2	12542.8
5°	8994.5	8902.1	8878.1	8939.5	8948.3
7.5°	5328.0	5346.7	5415.2	5430.4	5375.4
10°	2923.9	2947.8	2944.3	2965.4	2989.4
12.5°	1495.3	1476.6	1470.7	1494.7	1461.3
15°	781.3	795.9	796.5	782.5	771.9
17.5°	420.2	437.2	465.3	442.4	407.3
20°	248.1	263.4	287.4	268.6	253.4
22.5°	153.3	165.6	182.6	168.0	155.7
25°	91.9	104.2	117.0	103.6	93.1
27.5°	54.4	65.0	73.2	64.4	53.8
30°	35.1	41.0	46.2	40.4	35.7
32.5°	24.6	26.9	29.3	26.9	24.6
35°	18.1	19.3	20.5	19.3	17.6
37.5°	14.0	15.2	15.8	14.6	13.5
40°	11.7	12.3	12.9	12.3	11.7
42.5°	9.9	10.5	10.5	10.5	9.9
45°	8.8	8.8	9.4	8.8	8.8
47.5°	7.6	7.6	8.2	7.6	7.6
50°	7.0	7.0	7.0	7.0	7.0
52.5°	6.4	6.4	6.4	6.4	6.4
55°	5.9	5.9	5.9	5.9	5.9
57.5°	5.3	5.3	5.3	5.3	5.3
60°	4.7	4.7	4.7	4.7	4.7
62.5°	4.1	4.1	4.1	4.1	4.1
65°	3.5	3.5	3.5	3.5	3.5
67.5°	3.5	3.5	3.5	3.5	3.5
70°	2.9	2.9	2.9	2.9	2.9
72.5°	2.3	2.3	2.3	2.3	2.3
75°	1.8	1.8	1.8	1.8	2.3
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6
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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