

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: P759969

Luminaire Tested: LD6D10D010-EU6DR150210IC9035-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P759969  
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-EU6DR150210IC9035-6LBDP1B  
Description: 6 INCH ROUND 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: 1035.6 lumens  
Efficiency: N/A  
Efficacy: 88.5 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): 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



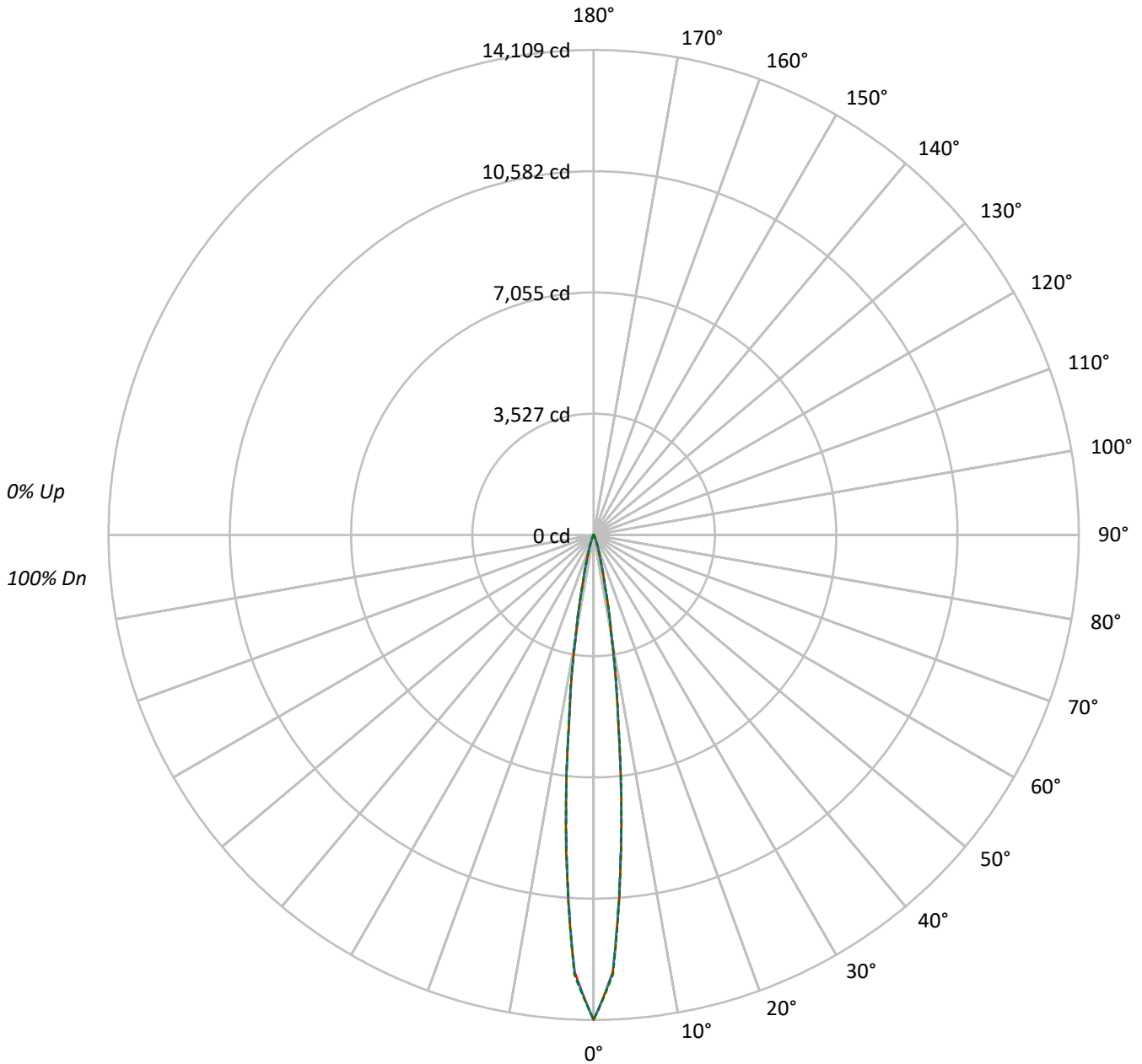
Downlight



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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°	1587566	1587566	1587566
5°	932933	920849	928136
10°	278439	280389	284681
15°	69260	70606	68426
20°	20726	23999	21159
25°	7307	9309	7401
30°	2681	3534	2726
35°	1343	1518	1300
40°	845	930	845
45°	630	672	630
50°	501	501	501
55°	418	418	418
60°	337	337	337
65°	257	257	257
70°	219	219	219
75°	136	136	181
80°	95	95	95
85°	50	50	50

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 672 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	671.6	64.9
10°-20°	276.3	26.7
20°-30°	54.9	5.3
30°-40°	13.7	1.3
40°-50°	7.2	0.7
50°-60°	5.4	0.5
60°-70°	3.8	0.4
70°-80°	2.2	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°	1002.8	96.8
0°-40°	1016.5	98.1
0°-60°	1029.0	99.4
0°-90°	1035.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1035.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	14109	14109	14109	14109	14109	
5°	9180	9085	9061	9124	9133	670
15°	797	812	813	799	788	273
25°	94	106	120	106	95	49
35°	18	20	21	20	18	13
45°	9	9	10	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°	14109.2	14109.2	14109.2	14109.2	14109.2
2.5°	12727.1	12737.8	12742.0	12754.6	12801.2
5°	9179.8	9085.4	9060.9	9123.6	9132.6
7.5°	5437.7	5456.9	5526.7	5542.3	5486.1
10°	2984.1	3008.6	3005.0	3026.5	3051.0
12.5°	1526.1	1507.0	1501.0	1525.5	1491.4
15°	797.4	812.3	812.9	798.6	787.8
17.5°	428.9	446.2	474.8	451.6	415.7
20°	253.3	268.8	293.3	274.2	258.6
22.5°	156.5	169.0	186.4	171.4	158.9
25°	93.8	106.3	119.5	105.7	95.0
27.5°	55.5	66.3	74.7	65.7	55.0
30°	35.8	41.8	47.2	41.2	36.4
32.5°	25.1	27.5	29.9	27.5	25.1
35°	18.5	19.7	20.9	19.7	17.9
37.5°	14.3	15.5	16.1	14.9	13.7
40°	11.9	12.5	13.1	12.5	11.9
42.5°	10.2	10.8	10.8	10.8	10.2
45°	9.0	9.0	9.6	9.0	9.0
47.5°	7.8	7.8	8.4	7.8	7.8
50°	7.2	7.2	7.2	7.2	7.2
52.5°	6.6	6.6	6.6	6.6	6.6
55°	6.0	6.0	6.0	6.0	6.0
57.5°	5.4	5.4	5.4	5.4	5.4
60°	4.8	4.8	4.8	4.8	4.8
62.5°	4.2	4.2	4.2	4.2	4.2
65°	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	3.0	3.0	3.0	3.0	3.0
72.5°	2.4	2.4	2.4	2.4	2.4
75°	1.8	1.8	1.8	1.8	2.4
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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