

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



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: P759800

Luminaire Tested: LD6D08D010-EU6DR700210IC9030-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P759800  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D08D010-EU6DR700210IC9030-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 456.6 lumens  
Efficiency: N/A  
Efficacy: 51.3 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.9  
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



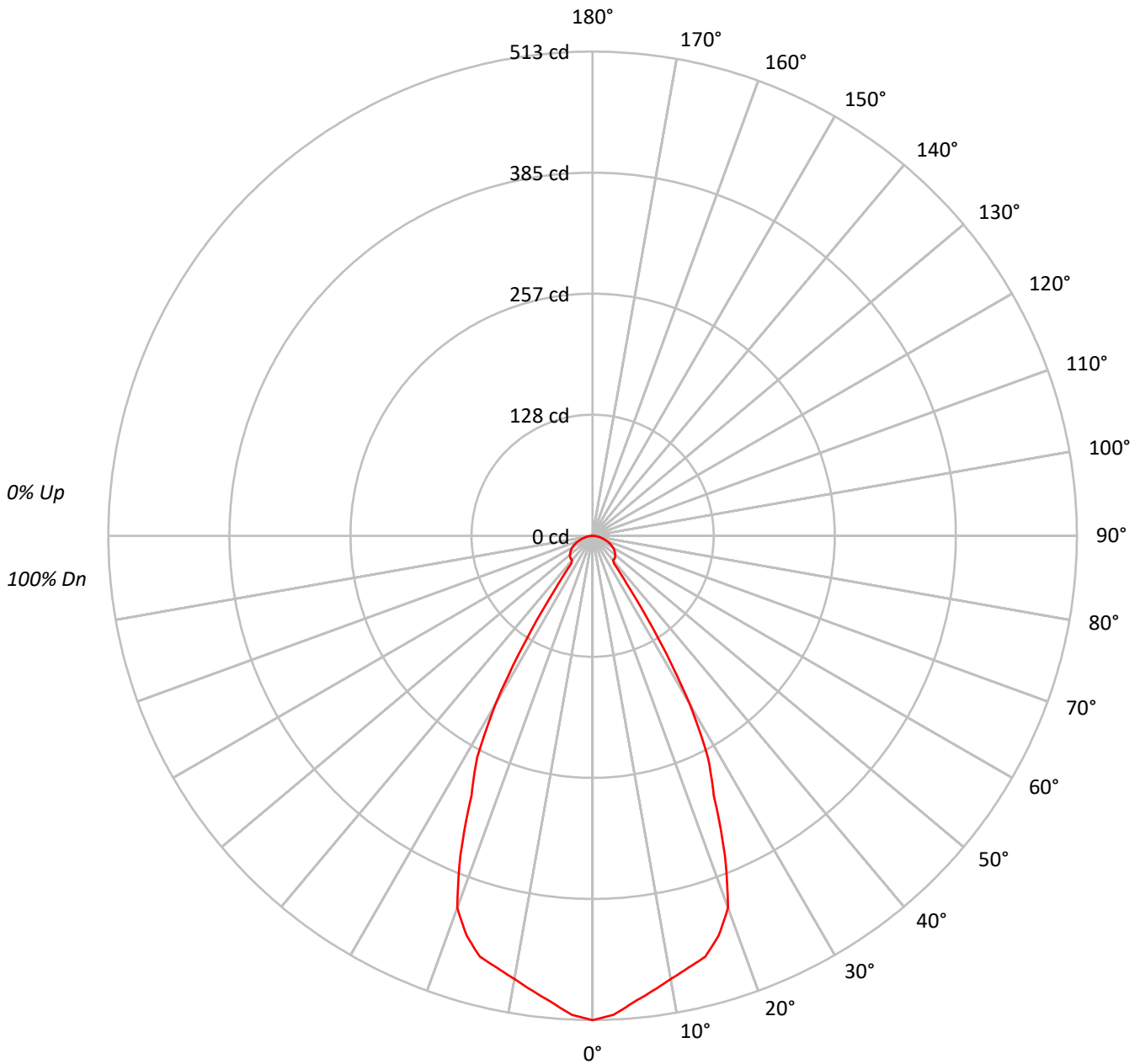
Downlight



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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	50	0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83	
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76	
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	
5	89	80	74	69	88	79	73	69	77	72	68	75	71	67	74	70	67	65	
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61	
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50	
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48	

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

	0°
0°	56084
5°	54422
10°	52910
15°	52214
20°	48753
25°	36625
30°	25889
35°	9177
40°	4821
45°	5130
50°	5320
55°	5410
60°	5441
65°	5326
70°	5047
75°	4686
80°	4153
85°	3385

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 5450 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.8	10.3
10°-20°	128.4	28.1
20°-30°	141.4	31.0
30°-40°	54.0	11.8
40°-50°	25.5	5.6
50°-60°	25.3	5.5
60°-70°	20.3	4.4
70°-80°	11.7	2.6
80°-90°	3.2	0.7
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°	316.6	69.3
0°-40°	370.6	81.2
0°-60°	421.4	92.3
0°-90°	456.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	456.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	513	
5°	496	47
15°	462	128
25°	304	141
35°	69	54
45°	33	26
55°	28	25
65°	21	20
75°	11	12
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	513.3
2.5°	508.0
5°	496.2
7.5°	486.4
10°	476.9
12.5°	468.8
15°	461.6
17.5°	444.1
20°	419.3
22.5°	365.8
25°	303.8
27.5°	264.5
30°	205.2
32.5°	132.6
35°	68.8
37.5°	37.1
40°	33.8
42.5°	33.6
45°	33.2
47.5°	32.5
50°	31.3
52.5°	29.9
55°	28.4
57.5°	26.8
60°	24.9
62.5°	22.9
65°	20.6
67.5°	18.2
70°	15.8
72.5°	13.3
75°	11.1
77.5°	8.7
80°	6.6
82.5°	4.6
85°	2.7
87.5°	1.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)