

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: P757431

Luminaire Tested: LD6D02D010-EU6DR500210IC9024-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757431  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D02D010-EU6DR500210IC9024-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 50° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 316.7 lumens  
Efficiency: N/A  
Efficacy: 62.1 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



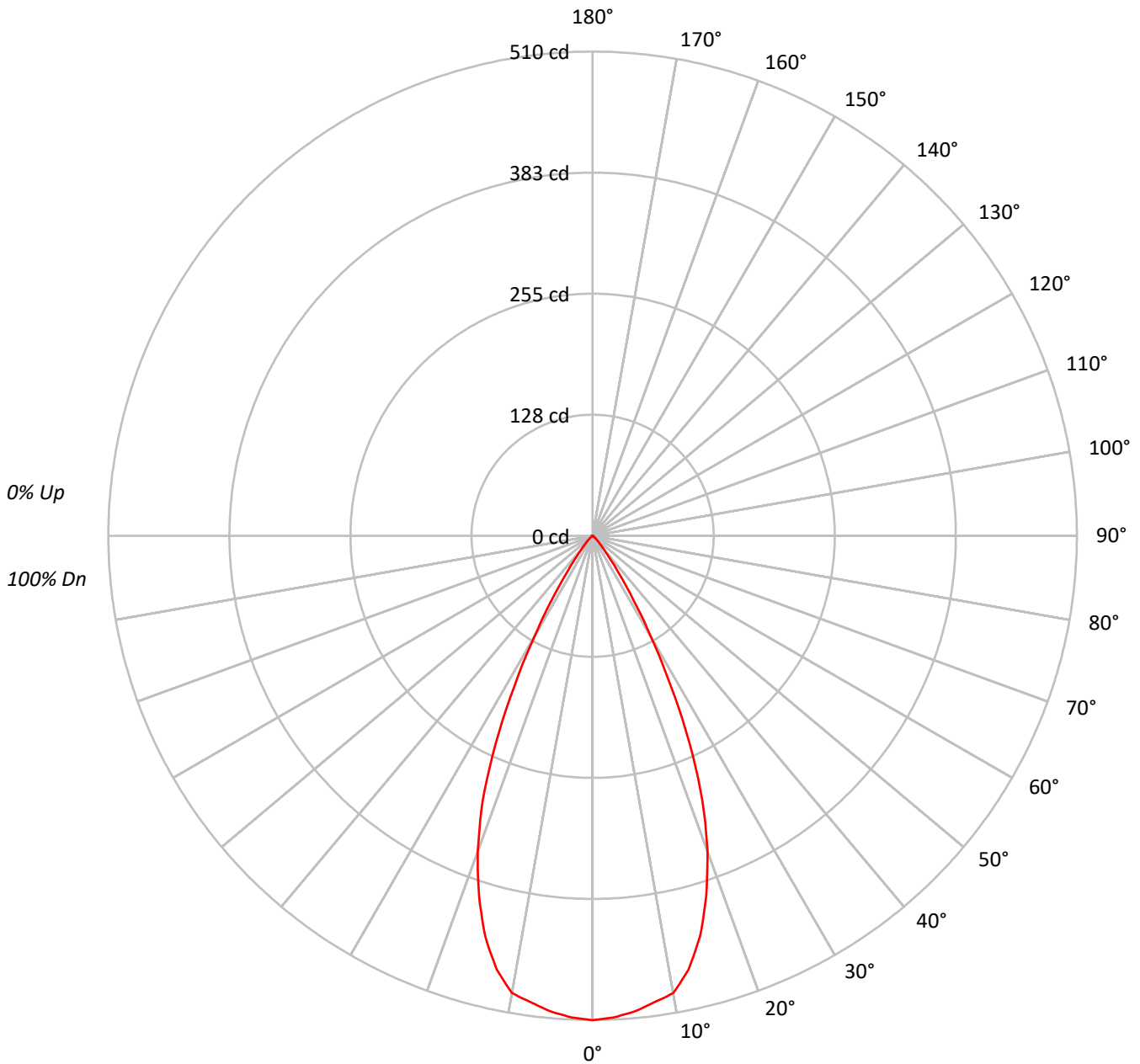
Downlight



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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	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95	95	93	91	88	86	85	85	83	82	82	80																
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	88	86	85	85	83	82	80	77	76	74	72																	
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	83	82	80	77	76	74	72	72	70	69																
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80	77	76	74	72	72	70	69	65	65	63	62																
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76	74	72	72	70	69	65	65	63	62	62	60	59															
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72	72	70	69	65	65	63	62	62	60	59	59																
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	65	65	63	62	62	60	59	59	59	59	59	59															
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65	65	63	62	62	60	59	59	59	59	59	59	59															
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62	62	60	59	59	59	59	59	59	59	59	59	59															
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59	59	59	59	59	59	59	59	59	59	59	59	59															

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

	0°
0°	55756
5°	55179
10°	54264
15°	49420
20°	41114
25°	29187
30°	15442
35°	6296
40°	2339
45°	1066
50°	442
55°	229
60°	109
65°	26
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1066 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.5	15.0
10°-20°	120.2	37.9
20°-30°	107.9	34.1
30°-40°	33.8	10.7
40°-50°	5.9	1.9
50°-60°	1.2	0.4
60°-70°	0.2	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	275.7	87.0
0°-40°	309.5	97.7
0°-60°	316.6	99.9
0°-90°	316.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	316.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	510	
5°	503	48
15°	437	120
25°	242	108
35°	47	34
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	510.3
2.5°	507.8
5°	503.1
7.5°	495.8
10°	489.1
12.5°	467.6
15°	436.9
17.5°	397.8
20°	353.6
22.5°	302.6
25°	242.1
27.5°	178.0
30°	122.4
32.5°	79.8
35°	47.2
37.5°	27.1
40°	16.4
42.5°	10.7
45°	6.9
47.5°	4.2
50°	2.6
52.5°	1.8
55°	1.2
57.5°	0.8
60°	0.5
62.5°	0.3
65°	0.1
67.5°	0.1
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)