

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: P760072

Luminaire Tested: LD6D10D010-EU6DR200210IC9050-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760072  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D10D010-EU6DR200210IC9050-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1103.5 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
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



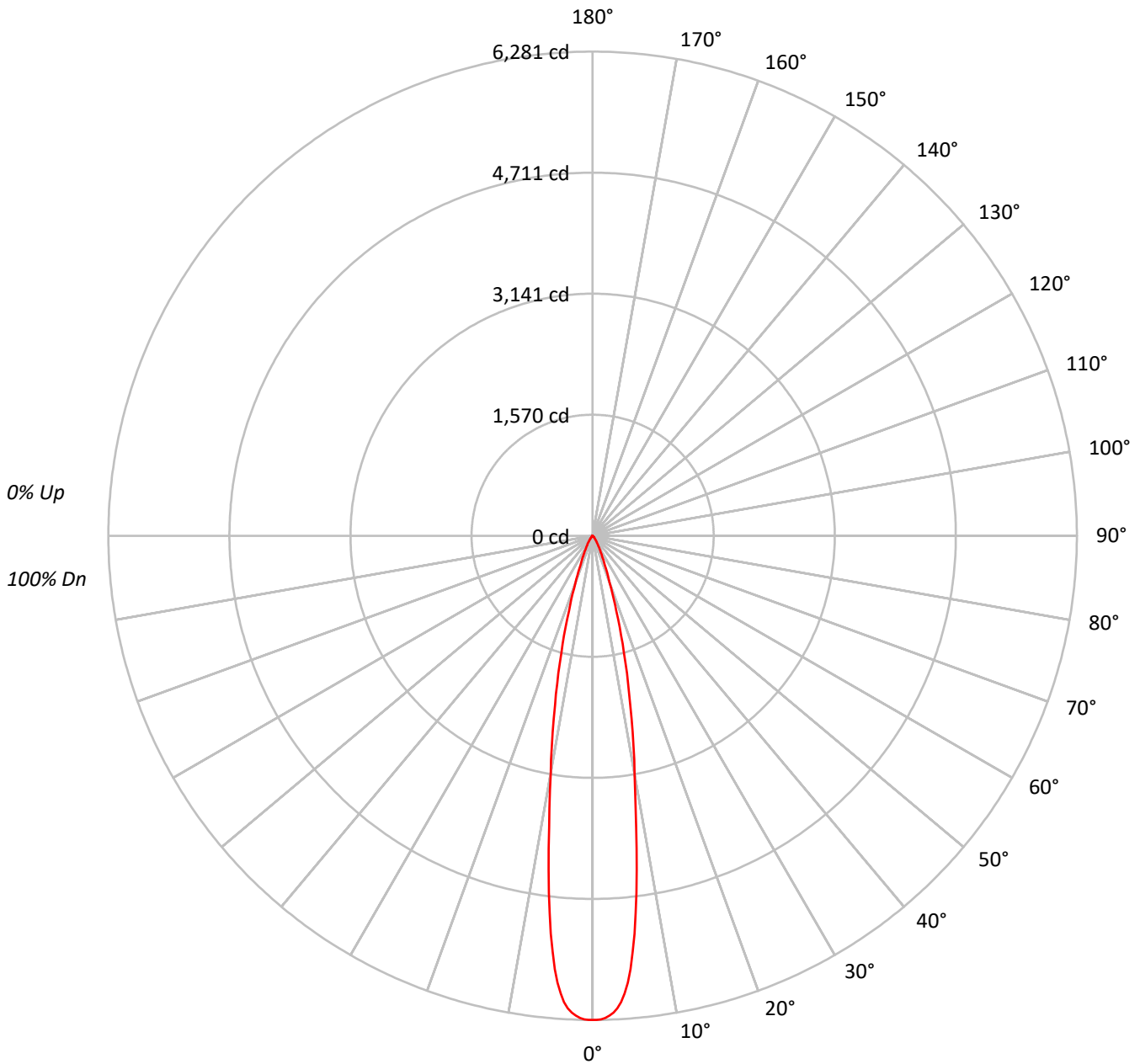
Downlight



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97		
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94		
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91		
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88		
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85		
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83		
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81		
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79		
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77		
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75		

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

	0°
0°	686256
5°	619133
10°	347495
15°	176640
20°	74787
25°	34527
30°	18281
35°	9844
40°	5263
45°	3106
50°	1802
55°	952
60°	612
65°	440
70°	192
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3106 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	447.2	40.5
10°-20°	440.3	39.9
20°-30°	143.9	13.0
30°-40°	49.0	4.4
40°-50°	16.5	1.5
50°-60°	4.9	0.4
60°-70°	1.6	0.1
70°-80°	0.1	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°	1031.4	93.5
0°-40°	1080.4	97.9
0°-60°	1101.8	99.8
0°-90°	1103.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1103.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6281	
5°	5645	447
15°	1562	440
25°	286	144
35°	74	49
45°	20	16
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6280.9
0.5°	6280.9
1°	6273.1
1.5°	6257.4
2°	6228.9
2.5°	6190.9
3°	6137.2
3.5°	6062.2
4°	5950.9
4.5°	5815.6
5°	5645.0
5.5°	5420.7
6°	5190.9
6.5°	4927.4
7°	4669.6
7.5°	4367.6
8°	4098.0
8.5°	3826.7
9°	3576.2
9.5°	3346.3
10°	3132.1
12.5°	2248.9
15°	1561.6
17.5°	1020.2
20°	643.2
22.5°	416.7
25°	286.4
27.5°	201.3
30°	144.9
32.5°	104.0
35°	73.8
37.5°	51.5
40°	36.9
42.5°	26.8
45°	20.1
47.5°	15.7
50°	10.6
52.5°	6.7
55°	5.0
57.5°	3.9
60°	2.8
62.5°	2.2
65°	1.7



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**CANDELA DISTRIBUTION (continued):**

	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

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



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— 0°-180°

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67.5°		1.1
70°		0.6

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(END OF REPORT)