

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: P757991

Luminaire Tested: LD6D05D010-EU6DR200210IC9027-6LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757991  
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: LD6D05D010-EU6DR200210IC9027-6LBCSSQMMS  
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 633.8 lumens  
Efficiency: N/A  
Efficacy: 84.5 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): 7.5  
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



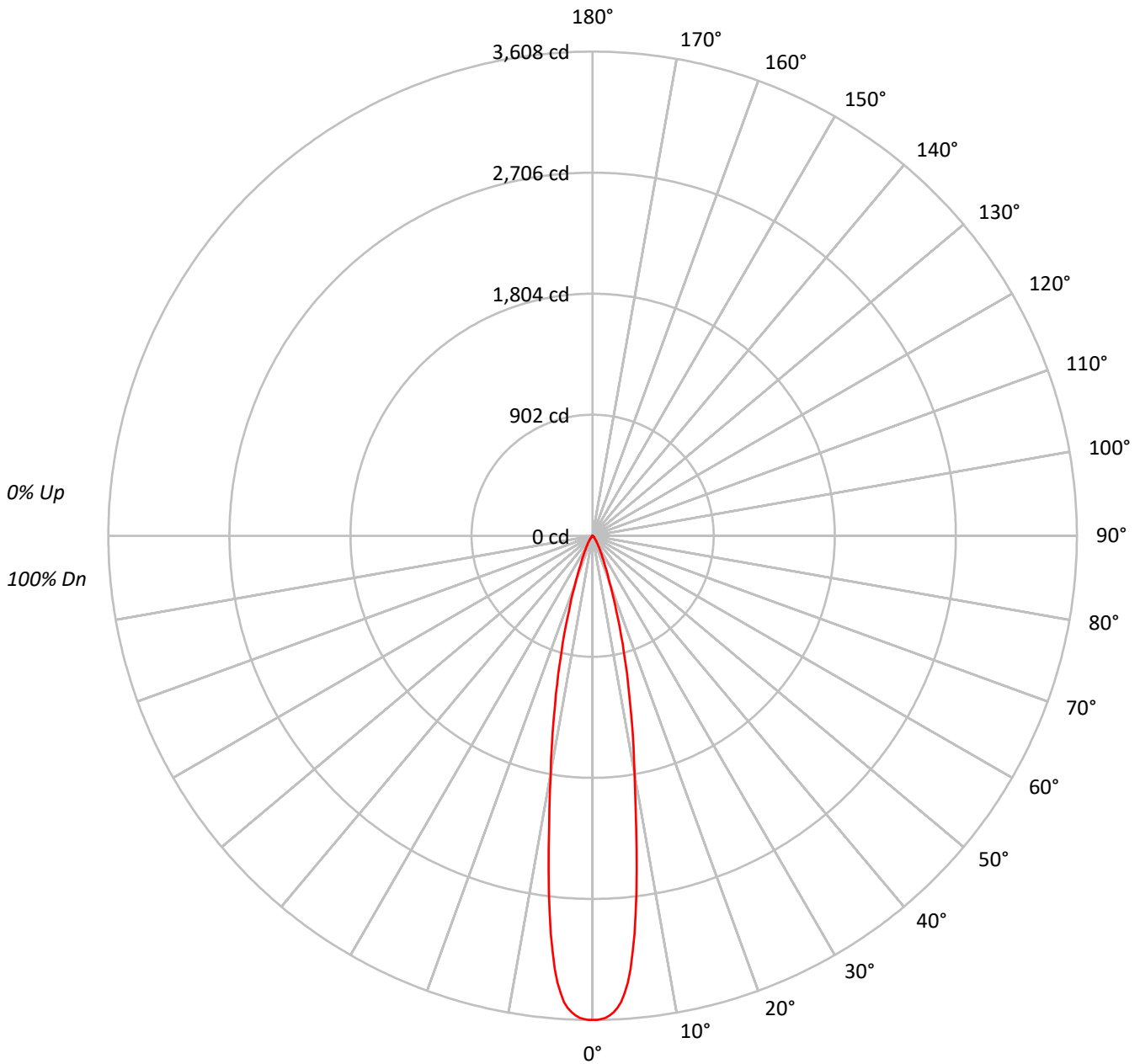
Downlight



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

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

	0°
0°	394158
5°	355609
10°	199592
15°	101453
20°	42951
25°	19831
30°	10497
35°	5655
40°	3024
45°	1792
50°	1037
55°	552
60°	350
65°	259
70°	96
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1792 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.9	40.5
10°-20°	252.9	39.9
20°-30°	82.6	13.0
30°-40°	28.1	4.4
40°-50°	9.5	1.5
50°-60°	2.8	0.4
60°-70°	0.9	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°	592.4	93.5
0°-40°	620.5	97.9
0°-60°	632.8	99.8
0°-90°	633.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	633.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3608	
5°	3242	257
15°	897	253
25°	164	83
35°	42	28
45°	12	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3607.5
0.5°	3607.5
1°	3603.1
1.5°	3594.1
2°	3577.7
2.5°	3555.8
3°	3525.0
3.5°	3481.9
4°	3418.0
4.5°	3340.3
5°	3242.3
5.5°	3113.5
6°	2981.4
6.5°	2830.1
7°	2682.1
7.5°	2508.6
8°	2353.7
8.5°	2197.9
9°	2054.0
9.5°	1922.0
10°	1799.0
12.5°	1291.7
15°	896.9
17.5°	585.9
20°	369.4
22.5°	239.3
25°	164.5
27.5°	115.6
30°	83.2
32.5°	59.8
35°	42.4
37.5°	29.6
40°	21.2
42.5°	15.4
45°	11.6
47.5°	9.0
50°	6.1
52.5°	3.9
55°	2.9
57.5°	2.2
60°	1.6
62.5°	1.3
65°	1.0



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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°		0.6
70°		0.3

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(END OF REPORT)