

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: P767410

Luminaire Tested: LD6D50D010-EU6DR4540509030-6LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767410  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D50D010-EU6DR4540509030-6LBCSSQMMS  
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 45° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

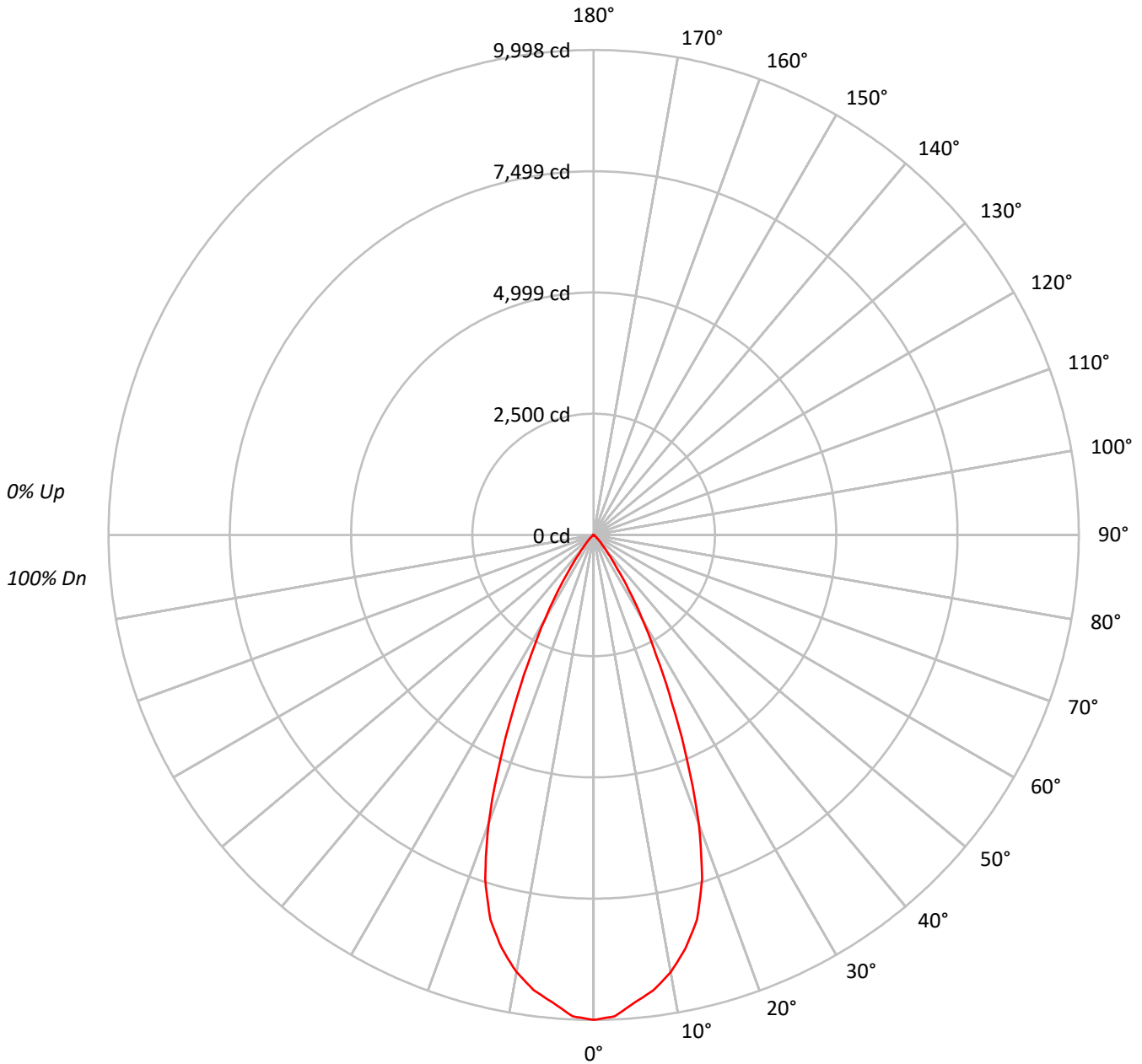
Lumens per Lamp: N/A  
Luminaire Lumens: 5656.2 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 47  
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



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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					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	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	100	100	100	100		
	1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95	95	95	95	95	95		
	2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90	90	90	90	90	90		
	3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85	85	85	85	85	85		
	4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81	81	81	81	81	81		
	5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77	77	77	77	77	77		
	6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73	73	73	73	73	73		
	7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69	69	69	69	69	69		
	8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66	66	66	66	66	66		
	9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63	63	63	63	63	63		
	10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60	60	60	60	60	60		

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

	0°
0°	1092334
5°	1061223
10°	1015314
15°	929218
20°	737193
25°	460246
30°	253677
35°	113909
40°	44857
45°	21138
50°	10029
55°	5238
60°	2579
65°	620
70°	256
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21138 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	909.1	16.1
10°-20°	2237.5	39.6
20°-30°	1771.9	31.3
30°-40°	590.1	10.4
40°-50°	117.1	2.1
50°-60°	26.6	0.5
60°-70°	3.9	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°	4918.5	87.0
0°-40°	5508.6	97.4
0°-60°	5652.3	99.9
0°-90°	5656.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5656.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9998	
5°	9676	909
15°	8215	2237
25°	3818	1772
35°	854	590
45°	137	117
55°	28	27
65°	2	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9997.5
2.5°	9932.2
5°	9675.8
7.5°	9464.3
10°	9151.4
12.5°	8734.6
15°	8214.8
17.5°	7433.2
20°	6340.2
22.5°	5038.0
25°	3817.7
27.5°	2795.4
30°	2010.7
32.5°	1367.4
35°	854.0
37.5°	506.4
40°	314.5
42.5°	206.8
45°	136.8
47.5°	88.1
50°	59.0
52.5°	39.3
55°	27.5
57.5°	18.1
60°	11.8
62.5°	6.3
65°	2.4
67.5°	0.8
70°	0.8
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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(END OF REPORT)