

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: P791170

Luminaire Tested: LER6D25D010-EC6DR7020359040-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791170  
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: LER6D25D010-EC6DR7020359040-6LB DP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

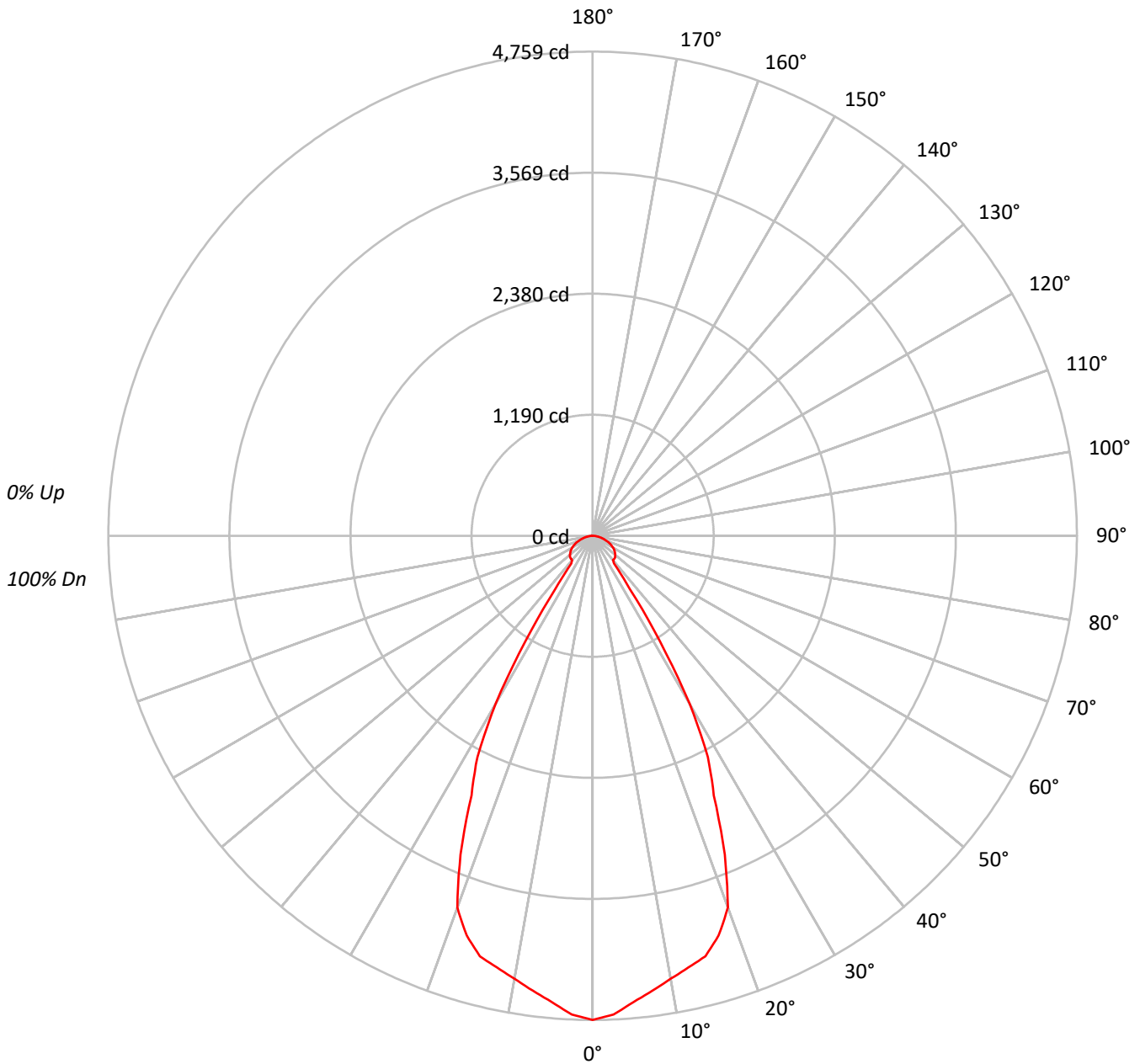
Lumens per Lamp: N/A  
Luminaire Lumens: 4233.2 lumens  
Efficiency: N/A  
Efficacy: 168.7 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				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			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

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

	0°
0°	520005
5°	504552
10°	490493
15°	484053
20°	452011
25°	339570
30°	240051
35°	85032
40°	44714
45°	47622
50°	49311
55°	50232
60°	50544
65°	49483
70°	46705
75°	43270
80°	38382
85°	31215

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 50574 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	433.9	10.3
10°-20°	1190.2	28.1
20°-30°	1310.8	31.0
30°-40°	500.8	11.8
40°-50°	236.5	5.6
50°-60°	235.1	5.6
60°-70°	188.2	4.4
70°-80°	108.2	2.6
80°-90°	29.4	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°	2934.9	69.3
0°-40°	3435.8	81.2
0°-60°	3907.4	92.3
0°-90°	4233.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4233.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4759	
5°	4600	434
15°	4279	1190
25°	2817	1311
35°	638	501
45°	308	236
55°	264	235
65°	191	188
75°	102	108
85°	25	29
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4759.3
2.5°	4709.6
5°	4600.3
7.5°	4509.1
10°	4421.0
12.5°	4346.4
15°	4279.3
17.5°	4117.3
20°	3887.5
22.5°	3391.6
25°	2816.7
27.5°	2452.0
30°	1902.7
32.5°	1229.0
35°	637.5
37.5°	344.4
40°	313.5
42.5°	311.2
45°	308.2
47.5°	301.4
50°	290.1
52.5°	277.3
55°	263.7
57.5°	248.7
60°	231.3
62.5°	211.7
65°	191.4
67.5°	168.8
70°	146.2
72.5°	123.6
75°	102.5
77.5°	80.6
80°	61.0
82.5°	43.0
85°	24.9
87.5°	9.8
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)