

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: P791082

Luminaire Tested: LER6D25D010-EC6DR6020359050-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791082  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR6020359050-6LBDDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4818.5 lumens  
Efficiency: N/A  
Efficacy: 192.0 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

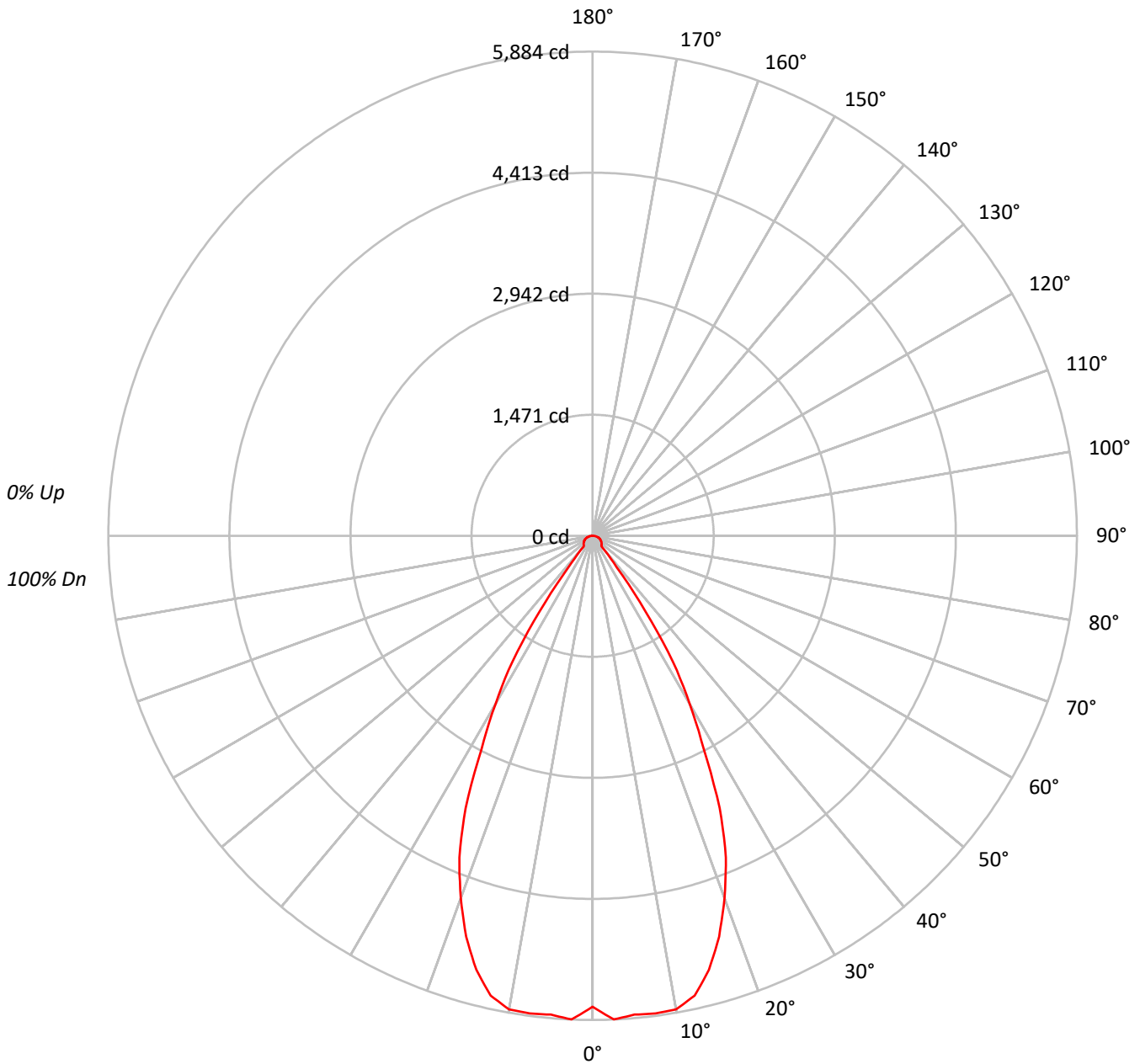
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

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

	0°
0°	625256
5°	640630
10°	648370
15°	617653
20°	544587
25°	440475
30°	297948
35°	149295
40°	24219
45°	23703
50°	24171
55°	24535
60°	25217
65°	25802
70°	26419
75°	26722
80°	25798
85°	21437

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 26722 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	558.3	11.6
10°-20°	1510.4	31.3
20°-30°	1625.1	33.7
30°-40°	706.4	14.7
40°-50°	118.6	2.5
50°-60°	115.3	2.4
60°-70°	98.7	2.0
70°-80°	66.0	1.4
80°-90°	19.7	0.4
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°	3693.7	76.7
0°-40°	4400.1	91.3
0°-60°	4634.0	96.2
0°-90°	4818.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4818.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5723	
5°	5841	558
15°	5460	1510
25°	3654	1625
35°	1119	706
45°	153	119
55°	129	115
65°	100	99
75°	63	66
85°	17	20
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5722.6
2.5°	5883.5
5°	5841.0
7.5°	5854.4
10°	5844.0
12.5°	5723.3
15°	5460.4
17.5°	5107.4
20°	4683.7
22.5°	4230.1
25°	3653.7
27.5°	2922.4
30°	2361.6
32.5°	1820.1
35°	1119.3
37.5°	478.9
40°	169.8
42.5°	156.4
45°	153.4
47.5°	148.2
50°	142.2
52.5°	135.5
55°	128.8
57.5°	122.1
60°	115.4
62.5°	108.0
65°	99.8
67.5°	91.6
70°	82.7
72.5°	73.0
75°	63.3
77.5°	52.1
80°	41.0
82.5°	29.0
85°	17.1
87.5°	6.0
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)