

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: P791109

Luminaire Tested: LER6D25D010-EC6DR6520359030-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791109  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR6520359030-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4793.0 lumens  
Efficiency: N/A  
Efficacy: 191.0 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' 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

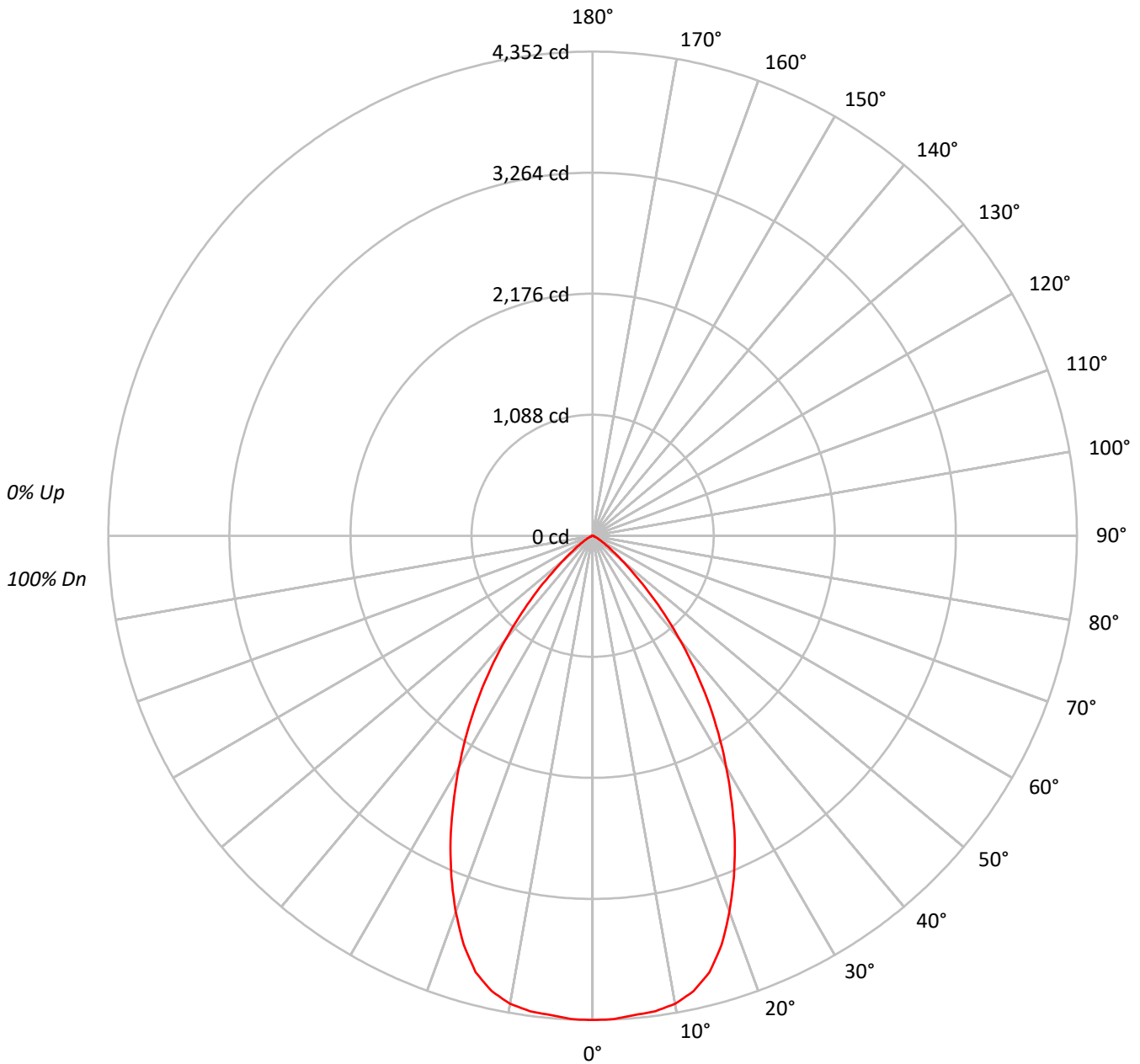


Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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																			
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

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

	0°
0°	254168
5°	253526
10°	253315
15°	245503
20°	223499
25°	194768
30°	161988
35°	128358
40°	92640
45°	58527
50°	30502
55°	16210
60°	8515
65°	4685
70°	1964
75°	2166
80°	1514
85°	1273

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 58527 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	411.6	8.6
10°-20°	1127.0	23.5
20°-30°	1377.6	28.7
30°-40°	1117.7	23.3
40°-50°	557.0	11.6
50°-60°	155.3	3.2
60°-70°	35.3	0.7
70°-80°	9.2	0.2
80°-90°	2.4	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°	2916.1	60.8
0°-40°	4033.9	84.2
0°-60°	4746.2	99.0
0°-90°	4793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4793.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4352	
5°	4324	412
15°	4060	1127
25°	3022	1378
35°	1800	1118
45°	709	557
55°	159	155
65°	34	35
75°	10	9
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4351.9
2.5°	4348.7
5°	4324.4
7.5°	4310.4
10°	4271.4
12.5°	4192.1
15°	4060.3
17.5°	3854.4
20°	3596.0
22.5°	3317.2
25°	3022.4
27.5°	2707.1
30°	2402.0
32.5°	2100.8
35°	1800.3
37.5°	1500.3
40°	1215.1
42.5°	947.8
45°	708.6
47.5°	493.7
50°	335.7
52.5°	231.5
55°	159.2
57.5°	107.4
60°	72.9
62.5°	50.5
65°	33.9
67.5°	17.3
70°	11.5
72.5°	10.9
75°	9.6
77.5°	6.4
80°	4.5
82.5°	3.2
85°	1.9
87.5°	1.3
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)