

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: P791116

Luminaire Tested: LER6D25D010-EC6DR6520359035-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791116  
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-EC6DR6520359035-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4818.9 lumens  
Efficiency: N/A  
Efficacy: 192.0 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

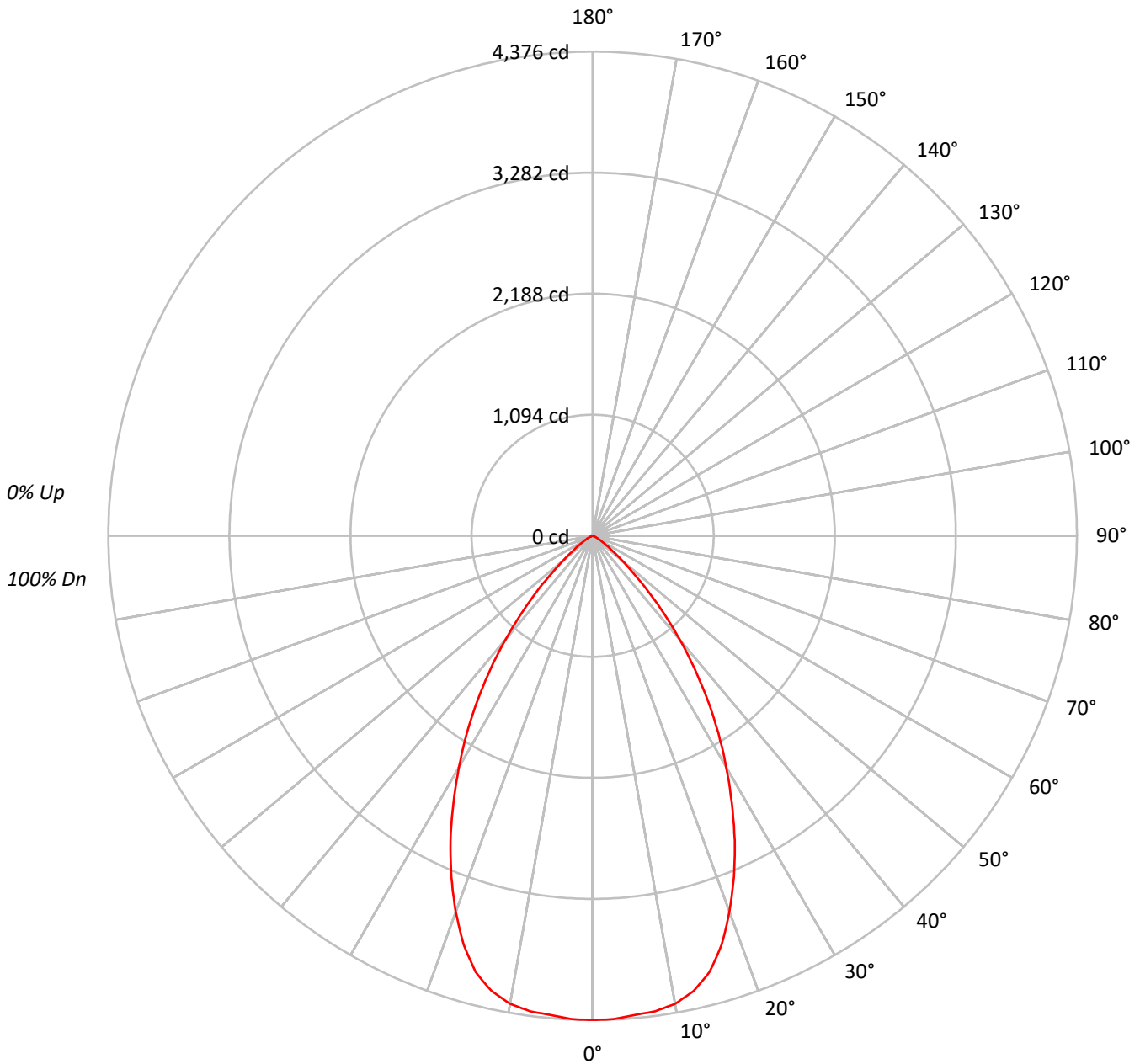


Downlight

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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°	255546
5°	254898
10°	254679
15°	246833
20°	224711
25°	195819
30°	162865
35°	129049
40°	93143
45°	58841
50°	30674
55°	16302
60°	8562
65°	4712
70°	1981
75°	2166
80°	1514
85°	1273

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 58841 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	413.8	8.6
10°-20°	1133.1	23.5
20°-30°	1385.0	28.7
30°-40°	1123.8	23.3
40°-50°	560.0	11.6
50°-60°	156.2	3.2
60°-70°	35.5	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°	2931.9	60.8
0°-40°	4055.6	84.2
0°-60°	4771.9	99.0
0°-90°	4818.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4818.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4376	
5°	4348	414
15°	4082	1133
25°	3039	1385
35°	1810	1124
45°	712	560
55°	160	156
65°	34	36
75°	10	9
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4375.5
2.5°	4372.3
5°	4347.8
7.5°	4333.7
10°	4294.4
12.5°	4214.7
15°	4082.3
17.5°	3875.2
20°	3615.5
22.5°	3335.1
25°	3038.7
27.5°	2721.7
30°	2415.0
32.5°	2112.2
35°	1810.0
37.5°	1508.4
40°	1221.7
42.5°	952.9
45°	712.4
47.5°	496.4
50°	337.6
52.5°	232.8
55°	160.1
57.5°	108.0
60°	73.3
62.5°	50.8
65°	34.1
67.5°	17.4
70°	11.6
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)