

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: P745155

Luminaire Tested: LD4D25D010-EU4DR3520359035-4LBS1LI

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P745155  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D25D010-EU4DR3520359035-4LBS1LI  
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2655.6 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
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

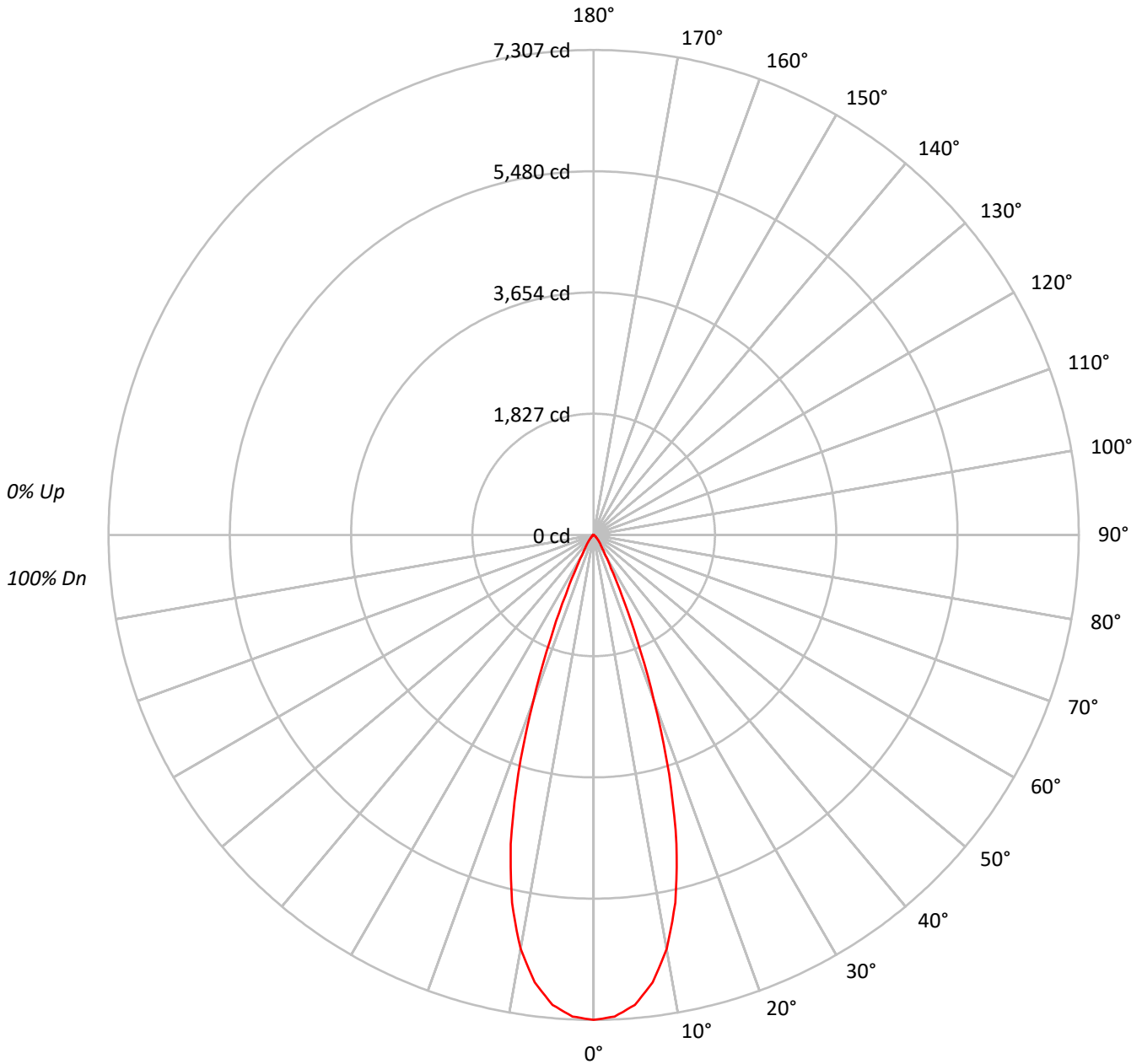


Downlight



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	50	30	10	0													
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	102	100														
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	98	98	98	98	96														
	2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	93	93	93	93	92														
	3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	93	91	89	89	88														
	4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	90	88	86	86	84														
	5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	87	84	82	82	81														
	6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	84	81	79	79	78														
	7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	82	79	76	76	75														
	8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	79	76	73	73	72														
	9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	77	73	71	71	70														
	10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	74	71	69	69	68														

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

	0°
0°	798346
5°	779592
10°	702612
15°	545350
20°	309309
25°	120339
30°	44902
35°	24609
40°	16089
45°	9796
50°	6238
55°	4400
60°	3212
65°	1758
70°	128
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9796 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	653.7	24.6
10°-20°	1276.4	48.1
20°-30°	520.5	19.6
30°-40°	124.6	4.7
40°-50°	51.9	2.0
50°-60°	21.5	0.8
60°-70°	6.7	0.3
70°-80°	0.2	0.0
80°-90°	0.1	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°	2450.6	92.3
0°-40°	2575.2	97.0
0°-60°	2648.6	99.7
0°-90°	2655.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2655.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7307	
5°	7108	654
15°	4821	1276
25°	998	521
35°	184	125
45°	63	52
55°	23	21
65°	7	7
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7306.8
2.5°	7263.0
5°	7108.0
7.5°	6798.7
10°	6332.9
12.5°	5677.1
15°	4821.2
17.5°	3774.4
20°	2660.2
22.5°	1696.3
25°	998.2
27.5°	564.2
30°	355.9
32.5°	249.9
35°	184.5
37.5°	142.7
40°	112.8
42.5°	86.9
45°	63.4
47.5°	47.4
50°	36.7
52.5°	29.1
55°	23.1
57.5°	18.7
60°	14.7
62.5°	10.8
65°	6.8
67.5°	2.4
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.4
85°	0.0
87.5°	0.0
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)