

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: P745242

Luminaire Tested: LD4D25D010-EU4DR4020359040-4LBDP1LI

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P745242  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D25D010-EU4DR4020359040-4LBDP1LI  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2833.5 lumens  
Efficiency: N/A  
Efficacy: 112.9 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
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

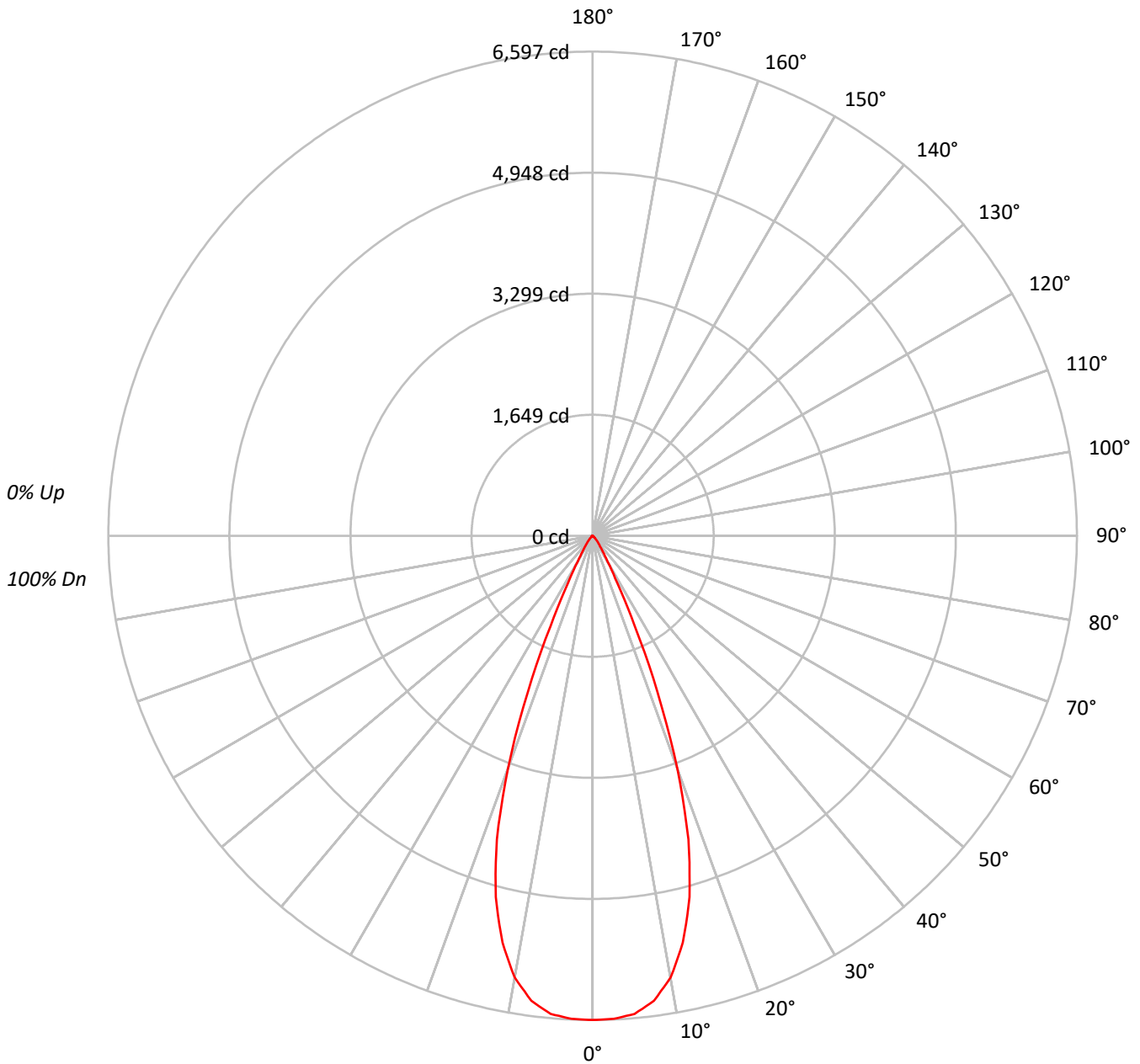


Downlight



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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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96									96																		
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92									92																		
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88									88																		
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84									84																		
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81									81																		
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77									77																		
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74									74																		
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72									72																		
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	72	70	69									69																		
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67									67																		

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

	0°
0°	720815
5°	717306
10°	678015
15°	576400
20°	392851
25°	163920
30°	51538
35°	23956
40°	13250
45°	6073
50°	2958
55°	1619
60°	830
65°	284
70°	128
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6073 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	610.7	21.6
10°-20°	1368.1	48.3
20°-30°	684.8	24.2
30°-40°	125.5	4.4
40°-50°	34.6	1.2
50°-60°	8.1	0.3
60°-70°	1.5	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	2663.6	94.0
0°-40°	2789.1	98.4
0°-60°	2831.9	99.9
0°-90°	2833.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2833.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6597	
5°	6540	611
15°	5096	1368
25°	1360	685
35°	180	126
45°	39	35
55°	8	8
65°	1	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6597.2
2.5°	6587.6
5°	6540.1
7.5°	6389.1
10°	6111.2
12.5°	5678.0
15°	5095.7
17.5°	4338.4
20°	3378.7
22.5°	2303.5
25°	1359.7
27.5°	718.8
30°	408.5
32.5°	264.0
35°	179.6
37.5°	128.3
40°	92.9
42.5°	63.6
45°	39.3
47.5°	25.0
50°	17.4
52.5°	12.3
55°	8.5
57.5°	5.4
60°	3.8
62.5°	2.3
65°	1.1
67.5°	0.7
70°	0.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)