

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: P744943

Luminaire Tested: LD4D25D010-EU4DR2015309050-4LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P744943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D25D010-EU4DR2015309050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2842.3 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): 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

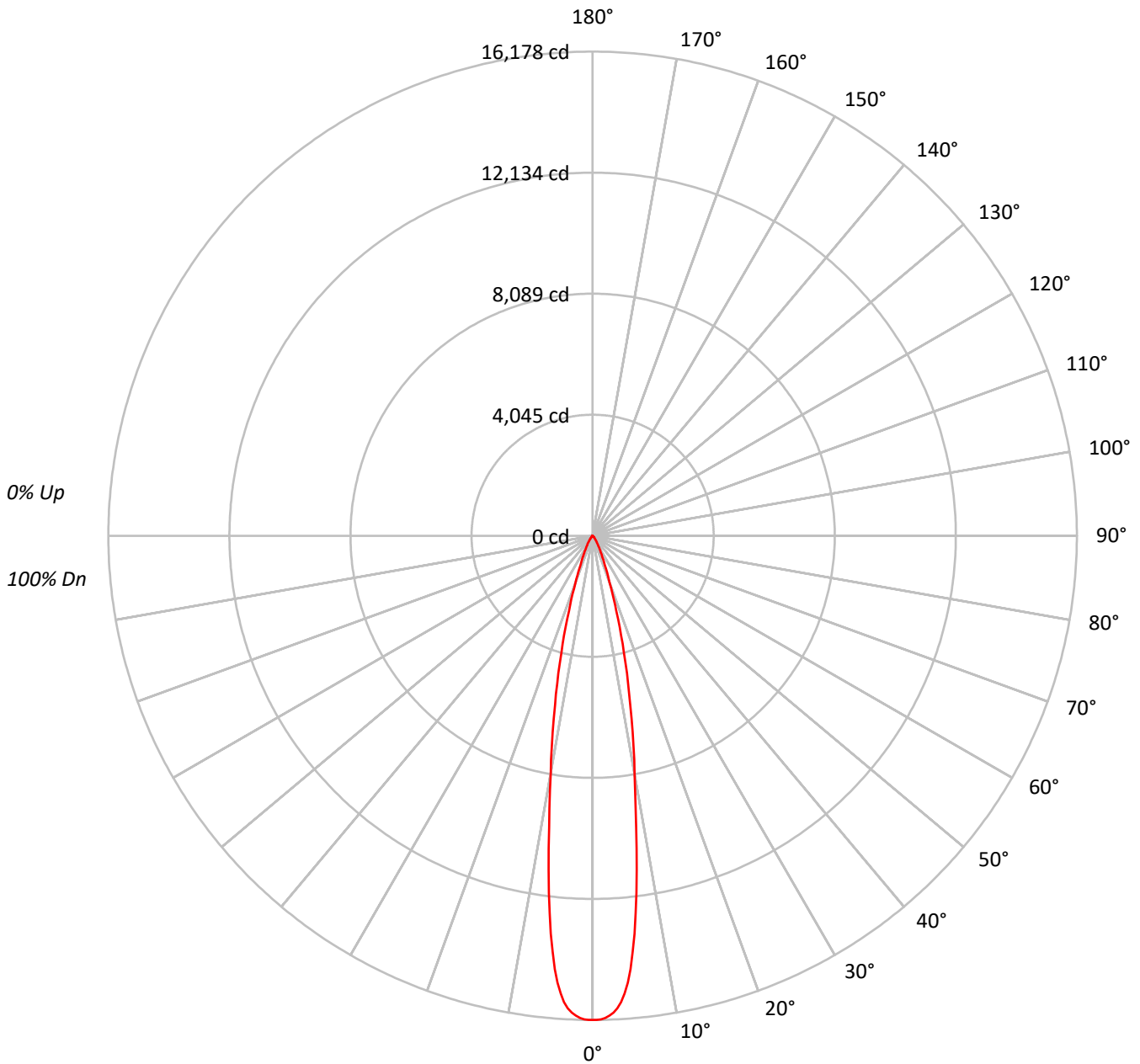


Downlight



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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	100						100													
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	100	99	98	98	96	95	97													
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	98	96	95	94													
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	98	96	95	98	96	95	94													
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	93	91	89	88													
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	91	88	86	85													
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	88	86	84	88	86	84	83													
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	86	84	82	86	84	82	81													
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	84	82	80	84	82	80	79													
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	82	80	78	82	80	78	77													
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	81	78	76	81	78	76	75													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1767599
5°	1594709
10°	895037
15°	454960
20°	192629
25°	88922
30°	47072
35°	25369
40°	13564
45°	8019
50°	4657
55°	2476
60°	1573
65°	1112
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8019 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1151.8	40.5
10°-20°	1134.2	39.9
20°-30°	370.5	13.0
30°-40°	126.2	4.4
40°-50°	42.4	1.5
50°-60°	12.8	0.4
60°-70°	4.3	0.1
70°-80°	0.2	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°	2656.5	93.5
0°-40°	2782.7	97.9
0°-60°	2837.9	99.8
0°-90°	2842.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2842.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16178	
5°	14540	###
15°	4022	1134
25°	738	371
35°	190	126
45°	52	42
55°	13	13
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16177.8
0.5°	16177.8
1°	16157.7
1.5°	16117.3
2°	16043.9
2.5°	15945.9
3°	15807.6
3.5°	15614.6
4°	15327.9
4.5°	14979.3
5°	14539.9
5.5°	13962.2
6°	13370.1
6.5°	12691.6
7°	12027.5
7.5°	11249.6
8°	10555.2
8.5°	9856.5
9°	9211.1
9.5°	8619.1
10°	8067.3
12.5°	5792.6
15°	4022.1
17.5°	2627.6
20°	1656.7
22.5°	1073.2
25°	737.6
27.5°	518.6
30°	373.1
32.5°	268.0
35°	190.2
37.5°	132.5
40°	95.1
42.5°	69.1
45°	51.9
47.5°	40.3
50°	27.4
52.5°	17.3
55°	13.0
57.5°	10.1
60°	7.2
62.5°	5.8
65°	4.3



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CANDELA DISTRIBUTION (continued):

	0°
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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67.5°		2.9
70°		1.4

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(END OF REPORT)