

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: P745385

Luminaire Tested: LD4D25D010-EU4DR5020359035-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P745385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D25D010-EU4DR5020359035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2739.9 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (Ain): 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

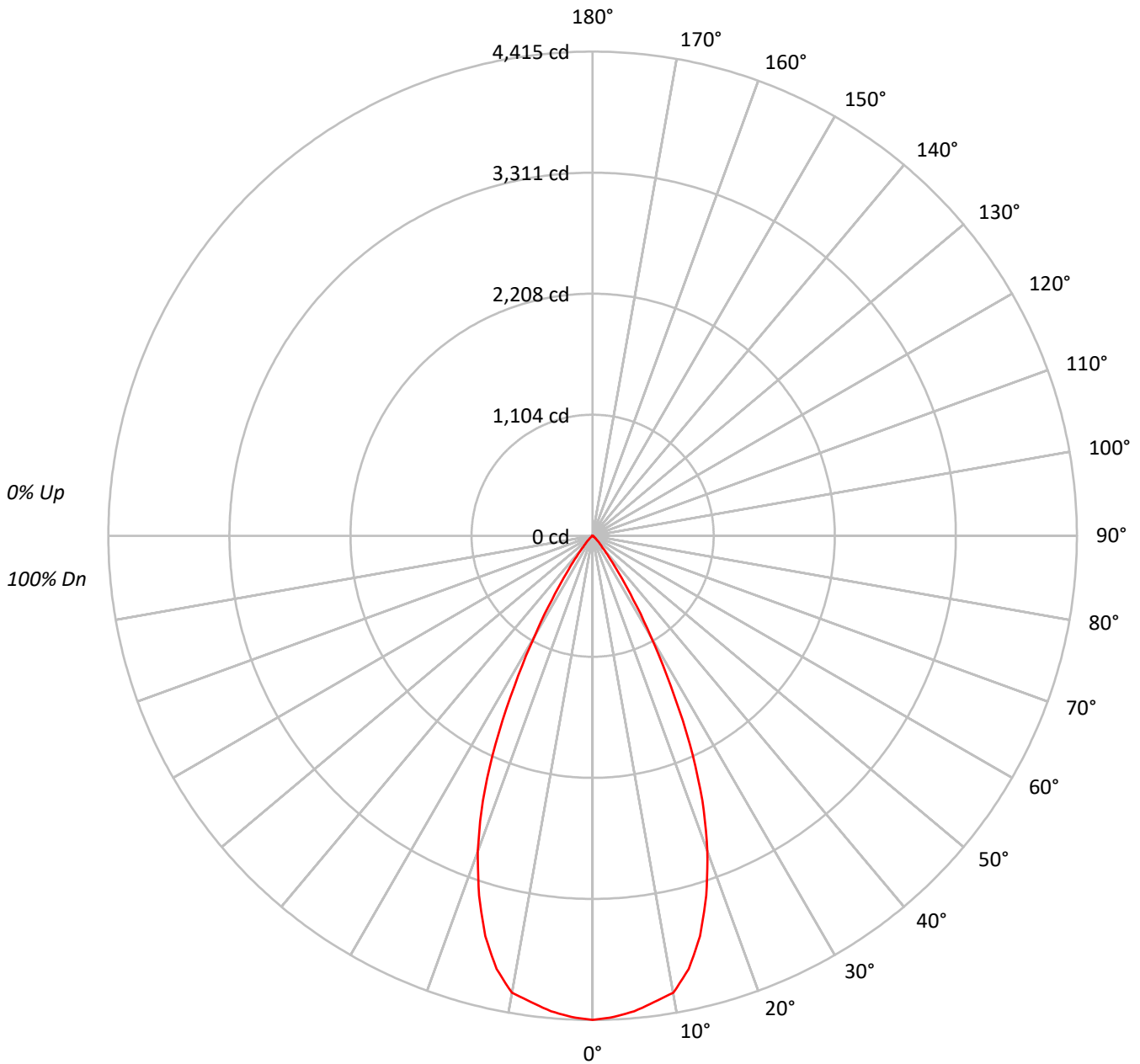


Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	482353
5°	477297
10°	469436
15°	427462
20°	355702
25°	252492
30°	133645
35°	54460
40°	20225
45°	9256
50°	3791
55°	1981
60°	983
65°	284
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9256 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.3	15.0
10°-20°	1039.5	37.9
20°-30°	933.8	34.1
30°-40°	292.4	10.7
40°-50°	51.2	1.9
50°-60°	10.2	0.4
60°-70°	1.5	0.1
70°-80°	0.0	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°	2384.6	87.0
0°-40°	2677.0	97.7
0°-60°	2738.4	99.9
0°-90°	2739.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2739.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4415	
5°	4352	411
15°	3779	1040
25°	2094	934
35°	408	292
45°	60	51
55°	10	10
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4414.7
2.5°	4392.8
5°	4351.8
7.5°	4289.3
10°	4231.2
12.5°	4045.1
15°	3779.0
17.5°	3441.0
20°	3059.2
22.5°	2617.4
25°	2094.4
27.5°	1539.8
30°	1059.3
32.5°	689.7
35°	408.3
37.5°	234.5
40°	141.8
42.5°	92.3
45°	59.9
47.5°	36.5
50°	22.3
52.5°	15.2
55°	10.4
57.5°	7.0
60°	4.5
62.5°	2.6
65°	1.1
67.5°	0.3
70°	0.0
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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(END OF REPORT)