

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: P745500

Luminaire Tested: LD4D25D010-EU4DR6020359024-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D25D010-EU4DR6020359024-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1641.7 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

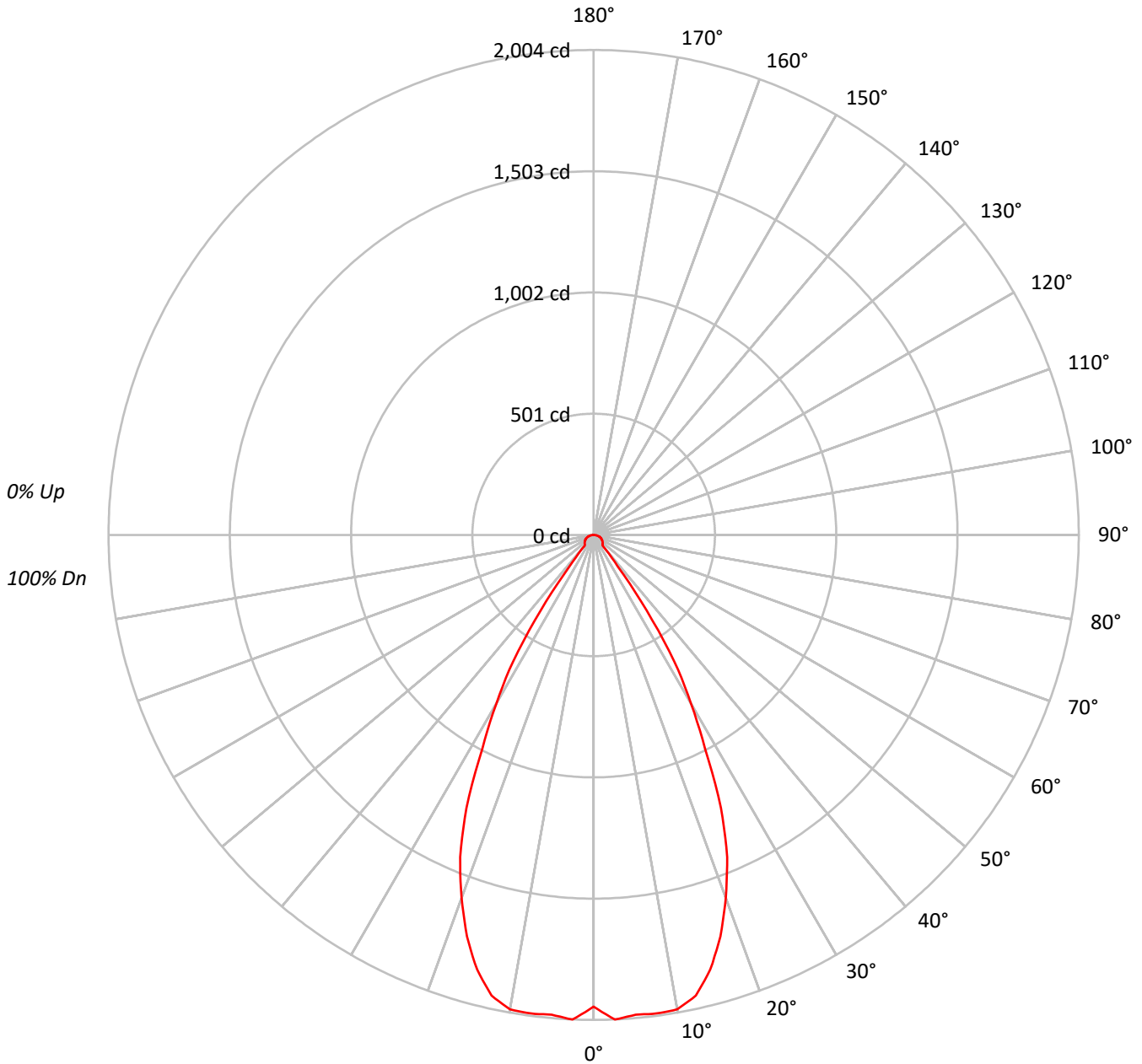


Downlight



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	213026
5°	218259
10°	220905
15°	210439
20°	185537
25°	150068
30°	101511
35°	50872
40°	8258
45°	8081
50°	8244
55°	8363
60°	8588
65°	8790
70°	9009
75°	9076
80°	8809
85°	7271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 9076 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.2	11.6
10°-20°	514.6	31.3
20°-30°	553.7	33.7
30°-40°	240.7	14.7
40°-50°	40.4	2.5
50°-60°	39.3	2.4
60°-70°	33.6	2.0
70°-80°	22.5	1.4
80°-90°	6.7	0.4
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°	1258.4	76.7
0°-40°	1499.1	91.3
0°-60°	1578.9	96.2
0°-90°	1641.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1641.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1950	
5°	1990	190
15°	1860	515
25°	1245	554
35°	381	241
45°	52	40
55°	44	39
65°	34	34
75°	22	23
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1949.7
2.5°	2004.5
5°	1990.0
7.5°	1994.6
10°	1991.1
12.5°	1949.9
15°	1860.4
17.5°	1740.1
20°	1595.7
22.5°	1441.2
25°	1244.8
27.5°	995.7
30°	804.6
32.5°	620.1
35°	381.4
37.5°	163.2
40°	57.9
42.5°	53.3
45°	52.3
47.5°	50.5
50°	48.5
52.5°	46.2
55°	43.9
57.5°	41.6
60°	39.3
62.5°	36.8
65°	34.0
67.5°	31.2
70°	28.2
72.5°	24.9
75°	21.5
77.5°	17.8
80°	14.0
82.5°	9.9
85°	5.8
87.5°	2.0
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)