

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: P745722

Luminaire Tested: LD4D25D010-EU4DR7020359050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D25D010-EU4DR7020359050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2578.6 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

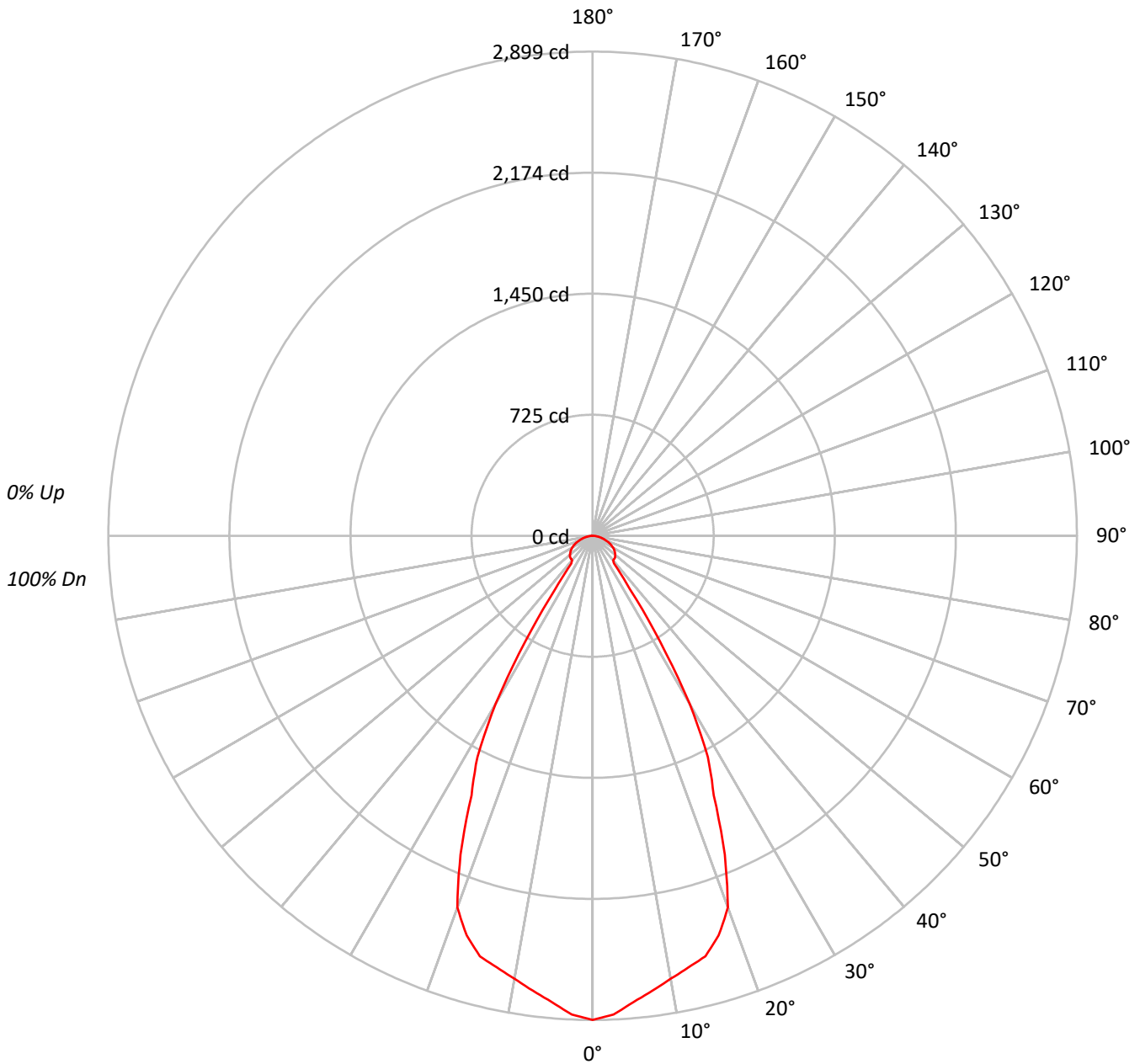


Downlight



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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	316758
5°	307340
10°	298778
15°	294857
20°	275334
25°	206850
30°	146223
35°	51793
40°	27242
45°	29018
50°	30035
55°	30612
60°	30790
65°	30145
70°	28432
75°	26384
80°	23407
85°	18930

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 30808 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.3	10.2
10°-20°	725.0	28.1
20°-30°	798.5	31.0
30°-40°	305.1	11.8
40°-50°	144.1	5.6
50°-60°	143.2	5.6
60°-70°	114.7	4.4
70°-80°	65.9	2.6
80°-90°	17.9	0.7
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°	1787.8	69.3
0°-40°	2092.9	81.2
0°-60°	2380.1	92.3
0°-90°	2578.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2578.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2899	
5°	2802	264
15°	2607	725
25°	1716	798
35°	388	305
45°	188	144
55°	161	143
65°	117	115
75°	62	66
85°	15	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2899.1
2.5°	2868.8
5°	2802.2
7.5°	2746.7
10°	2693.0
12.5°	2647.5
15°	2606.7
17.5°	2508.0
20°	2368.0
22.5°	2065.9
25°	1715.8
27.5°	1493.6
30°	1159.0
32.5°	748.6
35°	388.3
37.5°	209.8
40°	191.0
42.5°	189.6
45°	187.8
47.5°	183.6
50°	176.7
52.5°	168.9
55°	160.7
57.5°	151.5
60°	140.9
62.5°	129.0
65°	116.6
67.5°	102.8
70°	89.0
72.5°	75.3
75°	62.5
77.5°	49.1
80°	37.2
82.5°	26.2
85°	15.1
87.5°	6.0
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)