

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: P744937

Luminaire Tested: LD4D25D010-EU4DR2015309040-4LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P744937
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-EU4DR2015309040-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2367.3 lumens
Efficiency: N/A
Efficacy: 94.3 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 (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



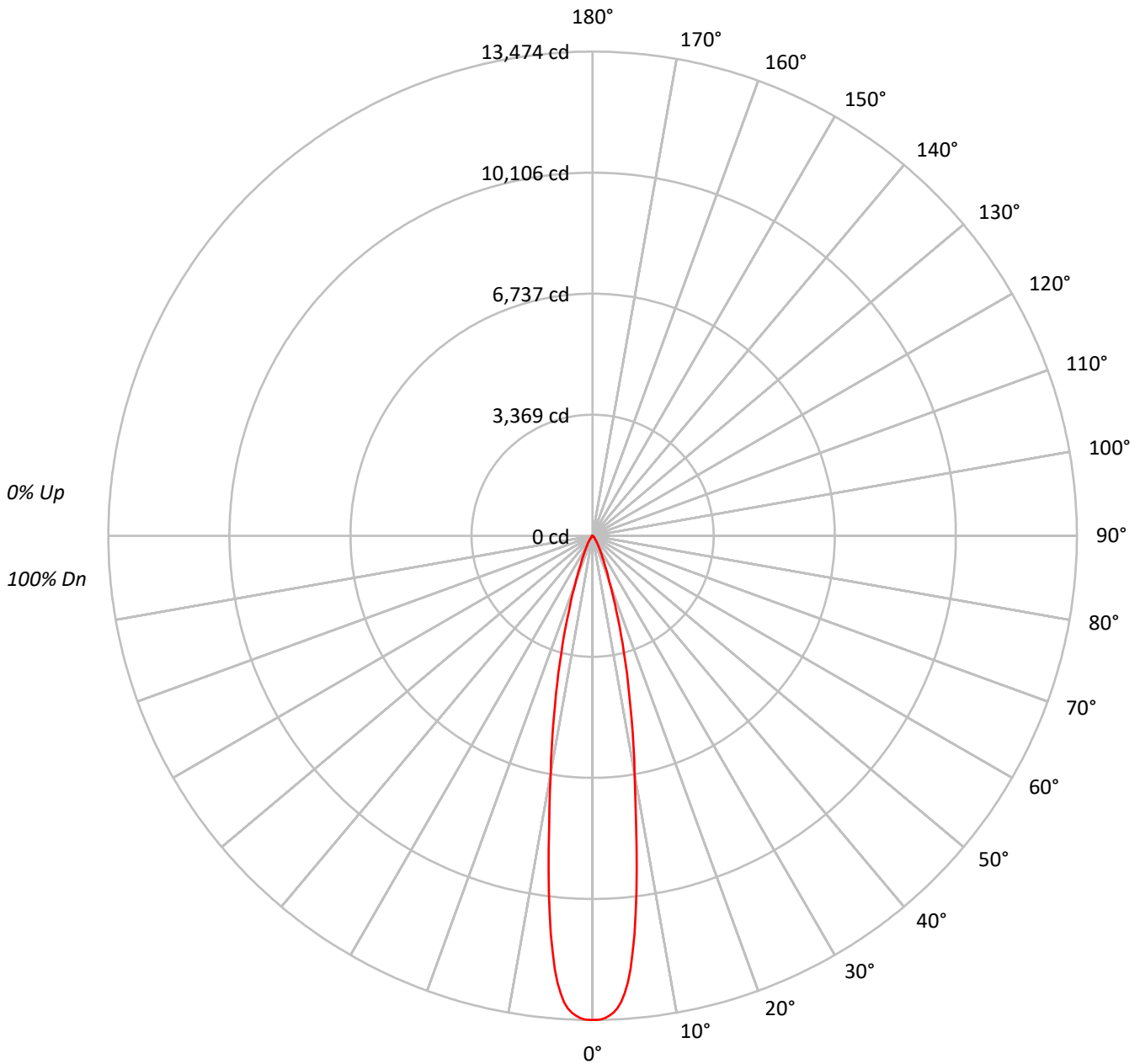
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	97	98	96	95	94	97														
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	98	96	95	94	97														
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	98	96	95	94	97														
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	98	96	95	94	97														
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	98	96	95	94	97														
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	98	96	95	94	97														
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	98	96	95	94	97														
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	98	96	95	94	97														
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	98	96	95	94	97														
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	98	96	95	94	97														

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1472190
5°	1328191
10°	745448
15°	378924
20°	160433
25°	74057
30°	39212
35°	21128
40°	11296
45°	6675
50°	3876
55°	2057
60°	1311
65°	931
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6675 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	959.3	40.5
10°-20°	944.6	39.9
20°-30°	308.6	13.0
30°-40°	105.1	4.4
40°-50°	35.3	1.5
50°-60°	10.6	0.4
60°-70°	3.5	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°	2212.6	93.5
0°-40°	2317.6	97.9
0°-60°	2363.6	99.8
0°-90°	2367.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2367.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13474	
5°	12110	959
15°	3350	945
25°	614	309
35°	158	105
45°	43	35
55°	11	11
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13474.1
0.5°	13474.1
1°	13457.3
1.5°	13423.7
2°	13362.5
2.5°	13280.9
3°	13165.7
3.5°	13004.9
4°	12766.2
4.5°	12475.8
5°	12109.9
5.5°	11628.7
6°	11135.6
6.5°	10570.5
7°	10017.4
7.5°	9369.5
8°	8791.1
8.5°	8209.2
9°	7671.7
9.5°	7178.6
10°	6719.0
12.5°	4824.5
15°	3349.9
17.5°	2188.5
20°	1379.8
22.5°	893.9
25°	614.3
27.5°	431.9
30°	310.8
32.5°	223.2
35°	158.4
37.5°	110.4
40°	79.2
42.5°	57.6
45°	43.2
47.5°	33.6
50°	22.8
52.5°	14.4
55°	10.8
57.5°	8.4
60°	6.0
62.5°	4.8
65°	3.6



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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°		2.4
70°		1.2

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(END OF REPORT)