

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: P744898

Luminaire Tested: LD4D25D010-EU4DR2015309027-4LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P744898
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-EU4DR2015309027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2113.3 lumens
Efficiency: N/A
Efficacy: 84.2 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 (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



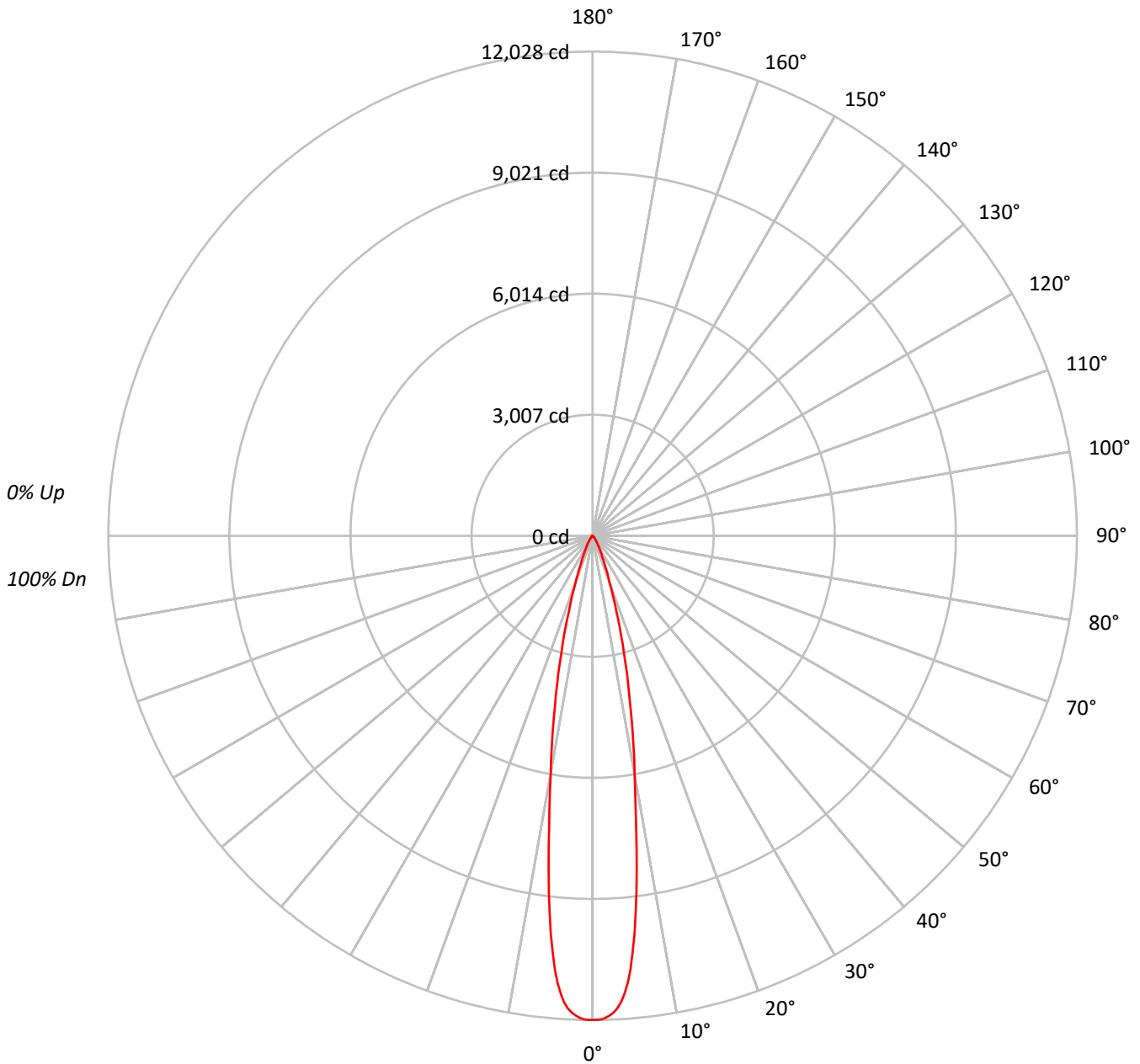
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1314232
5°	1185686
10°	665467
15°	338271
20°	143225
25°	66113
30°	34998
35°	18860
40°	10084
45°	5964
50°	3468
55°	1829
60°	1180
65°	827
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5964 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	856.4	40.5
10°-20°	843.3	39.9
20°-30°	275.5	13.0
30°-40°	93.8	4.4
40°-50°	31.6	1.5
50°-60°	9.5	0.4
60°-70°	3.2	0.1
70°-80°	0.1	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°	1975.2	93.5
0°-40°	2069.0	97.9
0°-60°	2110.0	99.8
0°-90°	2113.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2113.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12028	
5°	10811	856
15°	2990	843
25°	548	275
35°	141	94
45°	39	32
55°	10	10
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12028.4
0.5°	12028.4
1°	12013.4
1.5°	11983.4
2°	11928.8
2.5°	11856.0
3°	11753.2
3.5°	11609.6
4°	11396.5
4.5°	11137.3
5°	10810.6
5.5°	10381.1
6°	9940.9
6.5°	9436.4
7°	8942.6
7.5°	8364.2
8°	7847.9
8.5°	7328.5
9°	6848.6
9.5°	6408.4
10°	5998.1
12.5°	4306.9
15°	2990.5
17.5°	1953.7
20°	1231.8
22.5°	798.0
25°	548.4
27.5°	385.6
30°	277.4
32.5°	199.2
35°	141.4
37.5°	98.5
40°	70.7
42.5°	51.4
45°	38.6
47.5°	30.0
50°	20.4
52.5°	12.9
55°	9.6
57.5°	7.5
60°	5.4
62.5°	4.3
65°	3.2



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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°		2.1
70°		1.1

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Scaled Data Report



(END OF REPORT)