

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: P745837

Luminaire Tested: LD4D30D010-EU4DR2015309030-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P745837
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: LD4D30D010-EU4DR2015309030-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2652.3 lumens
Efficiency: N/A
Efficacy: 91.5 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): 29
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

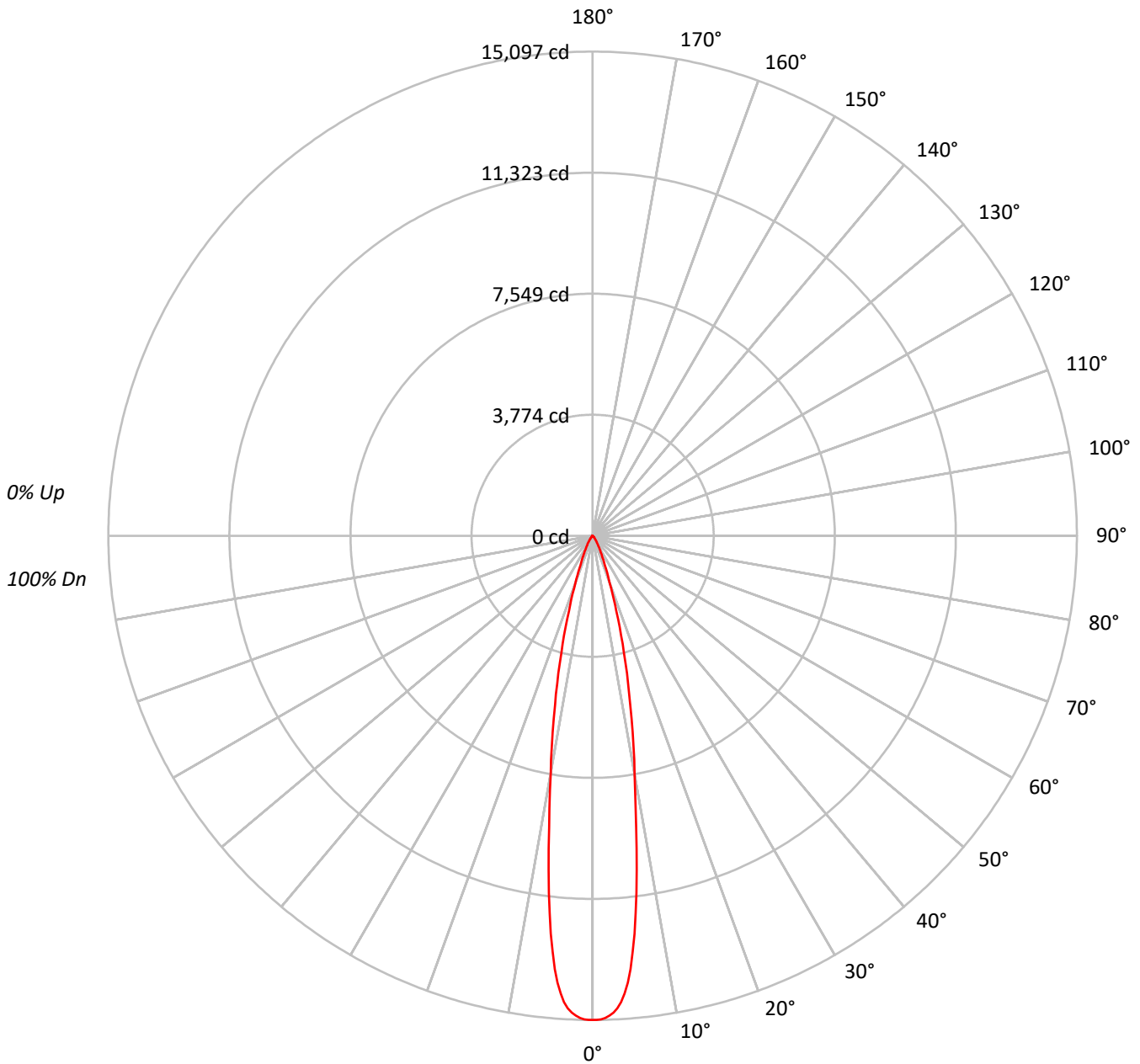


Downlight



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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									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	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	100	100	100	100	100	100	100	100	100																
	1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	96	95	94	94	93	92	91	91	90																
	2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	93	92	91	91	90	89	88	88	87																
	3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	90	89	88	88	87	86	85	85	84																
	4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	87	86	85	85	84	83	83	82	81																
	5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	84	83	82	81	81	80	79	79	78																
	6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	82	81	80	80	79	78	78	77	77																
	7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	80	79	78	78	77	76	76	75	75																
	8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	78	77	77	76	75	75	74	74	73																
	9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	76	75	75	74	73	73	72	72	71																
	10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	74	73	73	72	71	71	70	70	69																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1649477
5°	1488135
10°	835226
15°	424555
20°	179758
25°	82979
30°	43930
35°	23675
40°	12651
45°	7479
50°	4334
55°	2305
60°	1464
65°	1034
70°	415
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7479 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1074.9	40.5
10°-20°	1058.4	39.9
20°-30°	345.8	13.0
30°-40°	117.7	4.4
40°-50°	39.6	1.5
50°-60°	11.9	0.4
60°-70°	4.0	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°	2479.0	93.5
0°-40°	2596.8	97.9
0°-60°	2648.2	99.8
0°-90°	2652.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2652.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15097	
5°	13568	###
15°	3753	1058
25°	688	346
35°	178	118
45°	48	40
55°	12	12
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15096.7
0.5°	15096.7
1°	15077.9
1.5°	15040.3
2°	14971.7
2.5°	14880.3
3°	14751.2
3.5°	14571.1
4°	14303.6
4.5°	13978.3
5°	13568.2
5.5°	13029.2
6°	12476.7
6.5°	11843.5
7°	11223.7
7.5°	10497.8
8°	9849.9
8.5°	9197.9
9°	8595.6
9.5°	8043.1
10°	7528.2
12.5°	5405.5
15°	3753.3
17.5°	2452.0
20°	1546.0
22.5°	1001.5
25°	688.3
27.5°	484.0
30°	348.2
32.5°	250.0
35°	177.5
37.5°	123.7
40°	88.7
42.5°	64.5
45°	48.4
47.5°	37.6
50°	25.5
52.5°	16.1
55°	12.1
57.5°	9.4
60°	6.7
62.5°	5.4
65°	4.0



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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°		2.7
70°		1.3

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(END OF REPORT)