

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P735993

Luminaire Tested: LD4D15D010-EU4DR1515309035-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P735993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D15D010-EU4DR1515309035-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1348.5 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 0.33' x H: 0.35')
CIE Type: Direct

Input Watts (W): 15.8
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



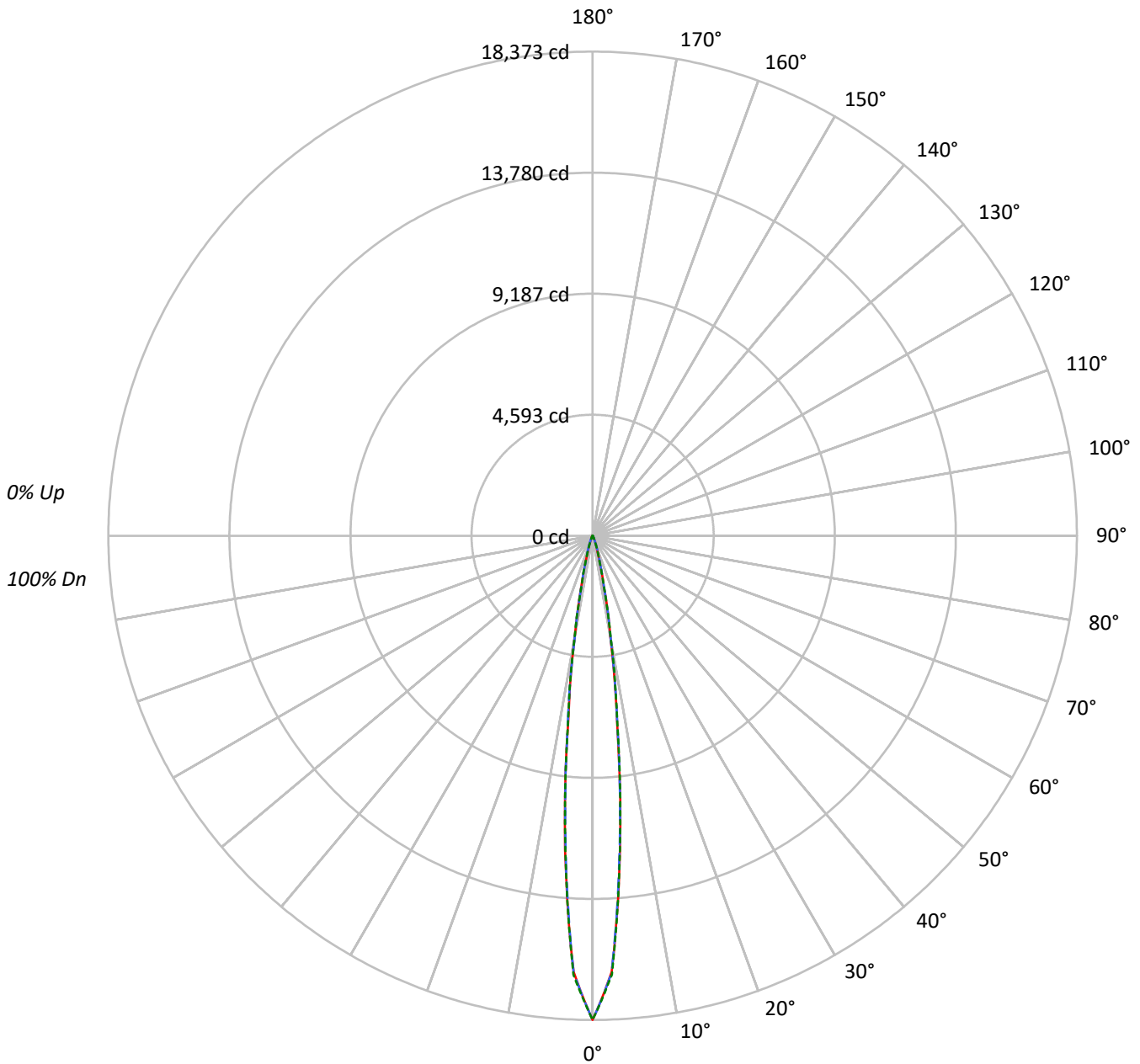
Downlight



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1815998	1815998	1815998
5°	1085597	1035224	1080021
10°	328709	310777	336077
15°	82788	77334	81799
20°	25048	26011	25580
25°	8918	9997	9035
30°	3309	3761	3359
35°	1671	1603	1615
40°	1066	978	1066
45°	795	695	795
50°	633	514	633
55°	535	429	535
60°	433	341	433
65°	336	261	336
70°	289	221	289
75°	178	133	239
80°	130	96	130
85°	69	50	69

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 795 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.6	64.9
10°-20°	359.7	26.7
20°-30°	71.5	5.3
30°-40°	17.8	1.3
40°-50°	9.4	0.7
50°-60°	7.0	0.5
60°-70°	4.9	0.4
70°-80°	2.8	0.2
80°-90°	0.9	0.1
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°	1305.8	96.8
0°-40°	1323.6	98.2
0°-60°	1339.9	99.4
0°-90°	1348.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1348.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18373	18373	18373	18373	18373	
5°	11954	11831	11799	11881	11892	873
15°	1038	1058	1059	1040	1026	356
25°	122	138	156	138	124	64
35°	24	26	27	26	23	16
45°	12	12	12	12	12	9
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18372.7	18372.7	18372.7	18372.7	18372.7
2.5°	16572.9	16586.9	16592.4	16608.7	16669.4
5°	11953.7	11830.8	11798.9	11880.6	11892.3
7.5°	7080.9	7105.8	7196.8	7217.0	7143.9
10°	3885.8	3917.7	3913.0	3941.0	3972.9
12.5°	1987.2	1962.3	1954.6	1986.5	1942.1
15°	1038.3	1057.8	1058.6	1039.9	1025.9
17.5°	558.4	581.0	618.3	588.0	541.3
20°	329.8	350.0	381.9	357.0	336.8
22.5°	203.8	220.1	242.7	223.2	206.9
25°	122.1	138.4	155.6	137.7	123.7
27.5°	72.3	86.3	97.2	85.6	71.6
30°	46.7	54.4	61.4	53.7	47.4
32.5°	32.7	35.8	38.9	35.8	32.7
35°	24.1	25.7	27.2	25.7	23.3
37.5°	18.7	20.2	21.0	19.4	17.9
40°	15.6	16.3	17.1	16.3	15.6
42.5°	13.2	14.0	14.0	14.0	13.2
45°	11.7	11.7	12.4	11.7	11.7
47.5°	10.1	10.1	10.9	10.1	10.1
50°	9.3	9.3	9.3	9.3	9.3
52.5°	8.6	8.6	8.6	8.6	8.6
55°	7.8	7.8	7.8	7.8	7.8
57.5°	7.0	7.0	7.0	7.0	7.0
60°	6.2	6.2	6.2	6.2	6.2
62.5°	5.4	5.4	5.4	5.4	5.4
65°	4.7	4.7	4.7	4.7	4.7
67.5°	4.7	4.7	4.7	4.7	4.7
70°	3.9	3.9	3.9	3.9	3.9
72.5°	3.1	3.1	3.1	3.1	3.1
75°	2.3	2.3	2.3	2.3	3.1
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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