

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: P743143

Luminaire Tested: LD4D15D010-EU4DR300215IC9035-4LBCSSQMMS

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P743143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D15D010-EU4DR300215IC9035-4LBCSSQMMS
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1264.2 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
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

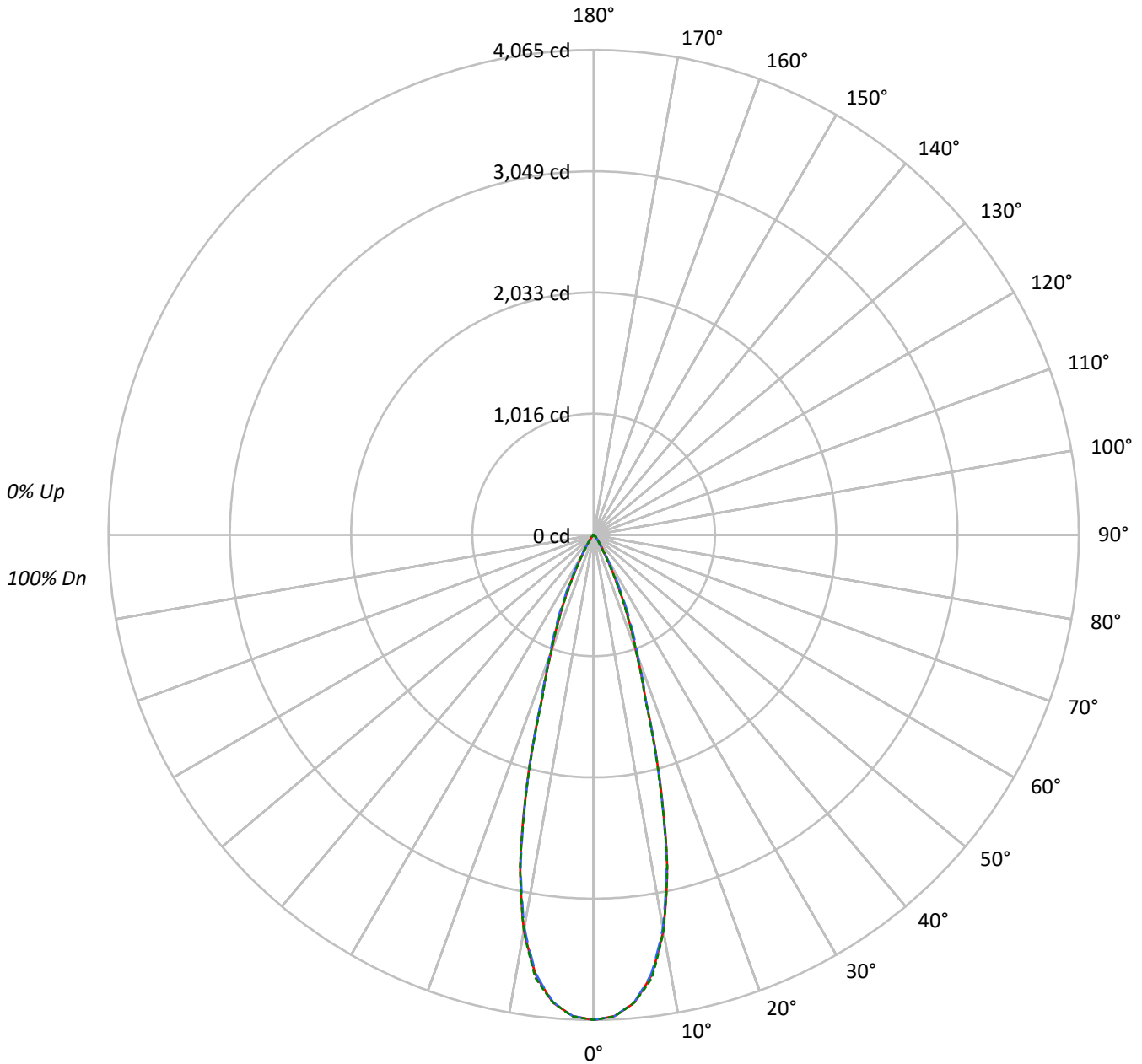


Downlight



TEST NUMBER: P743143
CATALOG NUMBER: LD4D15D010-EU4DR300215IC9035-4LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P743143

CATALOG NUMBER: LD4D15D010-EU4DR300215IC9035-4LBCSSQMMS

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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	311141	311141	311141
5°	302210	301857	302226
10°	261760	259918	261697
15°	170786	169866	169019
20°	84926	88111	84812
25°	42777	48241	41899
30°	17129	18658	14919
35°	7943	7606	6373
40°	3427	3807	3227
45°	2414	2998	2446
50°	834	2179	881
55°	480	907	507
60°	337	398	337
65°	217	217	217
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2998 cd/sqm



TEST NUMBER: P743143

CATALOG NUMBER: LD4D15D010-EU4DR300215IC9035-4LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.4	28.3
10°-20°	575.7	45.5
20°-30°	248.8	19.7
30°-40°	56.7	4.5
40°-50°	19.5	1.5
50°-60°	4.8	0.4
60°-70°	1.2	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°	1181.9	93.5
0°-40°	1238.6	98.0
0°-60°	1262.8	99.9
0°-90°	1264.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1264.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4065	4065	4065	4065	4065	
5°	3933	3929	3929	3937	3933	358
15°	2155	2129	2144	2137	2133	577
25°	506	526	571	512	496	242
35°	85	87	81	81	68	58
45°	22	28	28	28	23	16
55°	4	4	7	4	4	4
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P743143

CATALOG NUMBER: LD4D15D010-EU4DR300215IC9035-4LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4064.9	4064.9	4064.9	4064.9	4064.9
2.5°	4038.0	4035.2	4036.8	4038.8	4039.6
5°	3933.2	3929.4	3928.6	3936.8	3933.4
7.5°	3721.9	3716.5	3708.3	3726.9	3744.2
10°	3367.8	3361.8	3344.1	3352.9	3367.0
12.5°	2845.2	2825.8	2825.4	2853.3	2849.5
15°	2155.2	2129.3	2143.6	2136.6	2132.9
17.5°	1449.3	1439.3	1458.5	1452.7	1427.7
20°	1042.6	1045.2	1081.7	1063.3	1041.2
22.5°	760.8	770.2	813.5	766.1	748.8
25°	506.5	525.7	571.2	512.3	496.1
27.5°	311.5	320.3	366.4	307.6	298.7
30°	193.8	189.4	211.1	181.2	168.8
32.5°	127.1	121.5	128.5	115.3	105.4
35°	85.0	86.8	81.4	80.8	68.2
37.5°	53.1	61.1	53.9	57.5	43.9
40°	34.3	44.3	38.1	42.1	32.3
42.5°	28.1	34.1	31.3	33.3	28.8
45°	22.3	27.7	27.7	27.7	22.6
47.5°	12.4	18.6	23.8	19.0	13.2
50°	7.0	9.4	18.3	9.8	7.4
52.5°	4.8	5.4	12.5	5.6	5.0
55°	3.6	3.8	6.8	4.0	3.8
57.5°	2.8	3.0	3.6	3.0	2.8
60°	2.2	2.2	2.6	2.4	2.2
62.5°	1.6	1.6	1.8	1.6	1.6
65°	1.2	1.2	1.2	1.2	1.2
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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

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

Scaled Data Report





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

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)