

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: P744839

Luminaire Tested: LD4D25D010-EU4DR1515309035-4LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P744839
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: LD4D25D010-EU4DR1515309035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2667.5 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
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

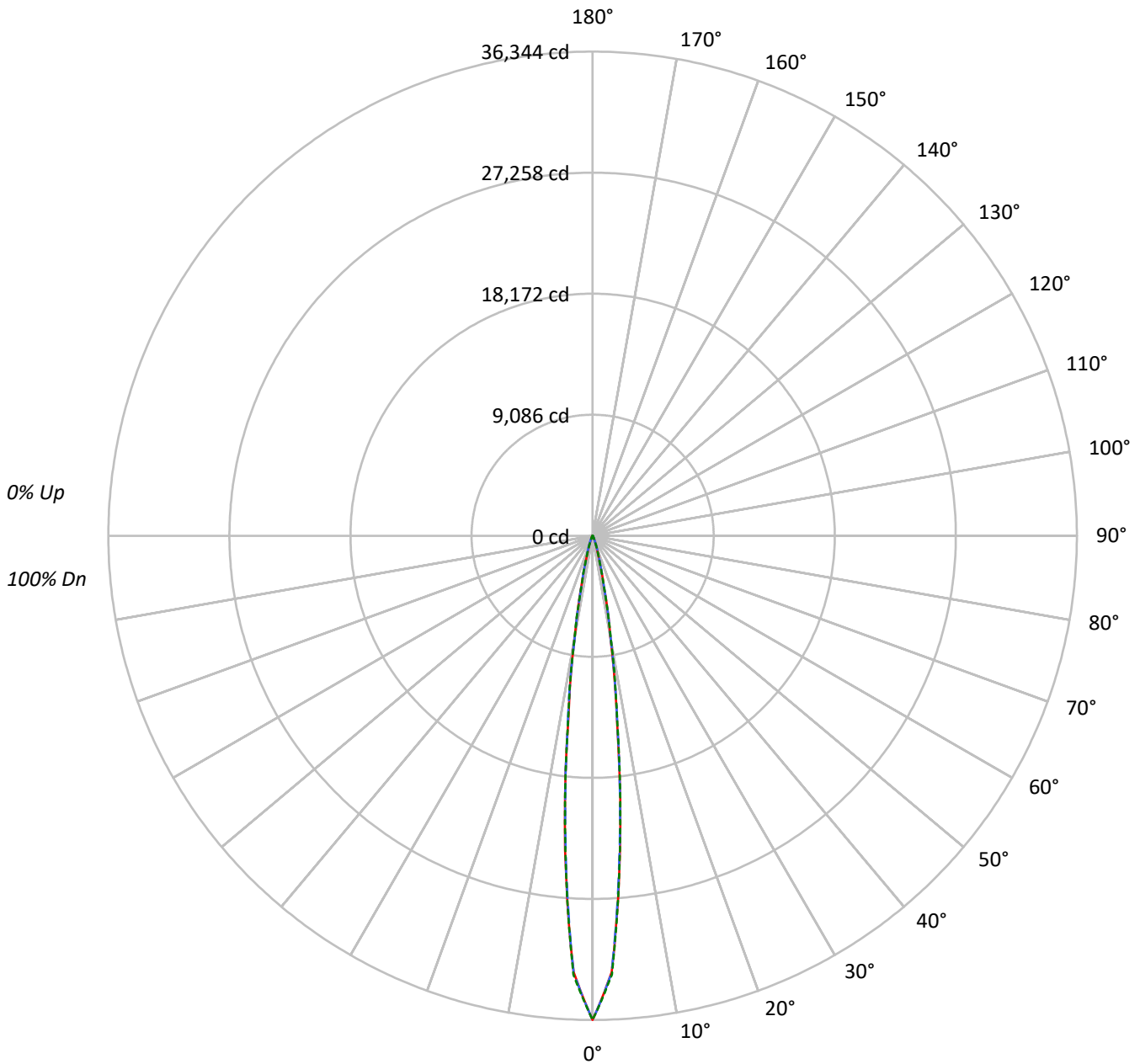


Downlight



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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	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°	4089470	4089470	4089470
5°	2403168	2372049	2390810
10°	717237	722257	733314
15°	178404	181878	176267
20°	53381	61809	54510
25°	18821	23970	19055
30°	6912	9098	7031
35°	3464	3914	3355
40°	2187	2400	2187
45°	1617	1722	1617
50°	1286	1286	1286
55°	1072	1072	1072
60°	864	864	864
65°	657	657	657
70°	563	563	563
75°	348	348	469
80°	244	244	244
85°	125	125	125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1722 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1730.1	64.9
10°-20°	711.6	26.7
20°-30°	141.3	5.3
30°-40°	35.3	1.3
40°-50°	18.6	0.7
50°-60°	13.7	0.5
60°-70°	9.7	0.4
70°-80°	5.5	0.2
80°-90°	1.7	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°	2583.0	96.8
0°-40°	2618.3	98.2
0°-60°	2650.6	99.4
0°-90°	2667.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2667.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36344	36344	36344	36344	36344	
5°	23646	23403	23340	23502	23525	1727
15°	2054	2092	2094	2057	2029	704
25°	242	274	308	272	245	127
35°	48	51	54	51	46	32
45°	23	23	25	23	23	18
55°	15	15	15	15	15	14
65°	9	9	9	9	9	10
75°	5	5	5	5	6	5
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	36344.4	36344.4	36344.4	36344.4	36344.4
2.5°	32784.1	32811.8	32822.6	32854.9	32974.9
5°	23646.5	23403.4	23340.3	23501.9	23524.9
7.5°	14007.3	14056.5	14236.5	14276.5	14131.9
10°	7686.8	7749.8	7740.6	7796.0	7859.1
12.5°	3931.1	3881.8	3866.5	3929.5	3841.8
15°	2054.0	2092.5	2094.0	2057.1	2029.4
17.5°	1104.7	1149.3	1223.2	1163.2	1070.9
20°	652.4	692.4	755.4	706.2	666.2
22.5°	403.1	435.4	480.0	441.6	409.3
25°	241.6	273.9	307.7	272.3	244.6
27.5°	143.1	170.8	192.3	169.2	141.5
30°	92.3	107.7	121.5	106.2	93.9
32.5°	64.6	70.8	76.9	70.8	64.6
35°	47.7	50.8	53.9	50.8	46.2
37.5°	36.9	40.0	41.5	38.5	35.4
40°	30.8	32.3	33.8	32.3	30.8
42.5°	26.2	27.7	27.7	27.7	26.2
45°	23.1	23.1	24.6	23.1	23.1
47.5°	20.0	20.0	21.5	20.0	20.0
50°	18.5	18.5	18.5	18.5	18.5
52.5°	16.9	16.9	16.9	16.9	16.9
55°	15.4	15.4	15.4	15.4	15.4
57.5°	13.8	13.8	13.8	13.8	13.8
60°	12.3	12.3	12.3	12.3	12.3
62.5°	10.8	10.8	10.8	10.8	10.8
65°	9.2	9.2	9.2	9.2	9.2
67.5°	9.2	9.2	9.2	9.2	9.2
70°	7.7	7.7	7.7	7.7	7.7
72.5°	6.2	6.2	6.2	6.2	6.2
75°	4.6	4.6	4.6	4.6	4.6
77.5°	4.6	4.6	4.6	4.6	4.6
80°	3.1	3.1	3.1	3.1	3.1
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.5	1.5	1.5	1.5	1.5
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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