

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: P744813

Luminaire Tested: LD4D25D010-EU4DR1515309027-4LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P744813
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-EU4DR1515309027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2447.1 lumens
Efficiency: N/A
Efficacy: 97.5 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

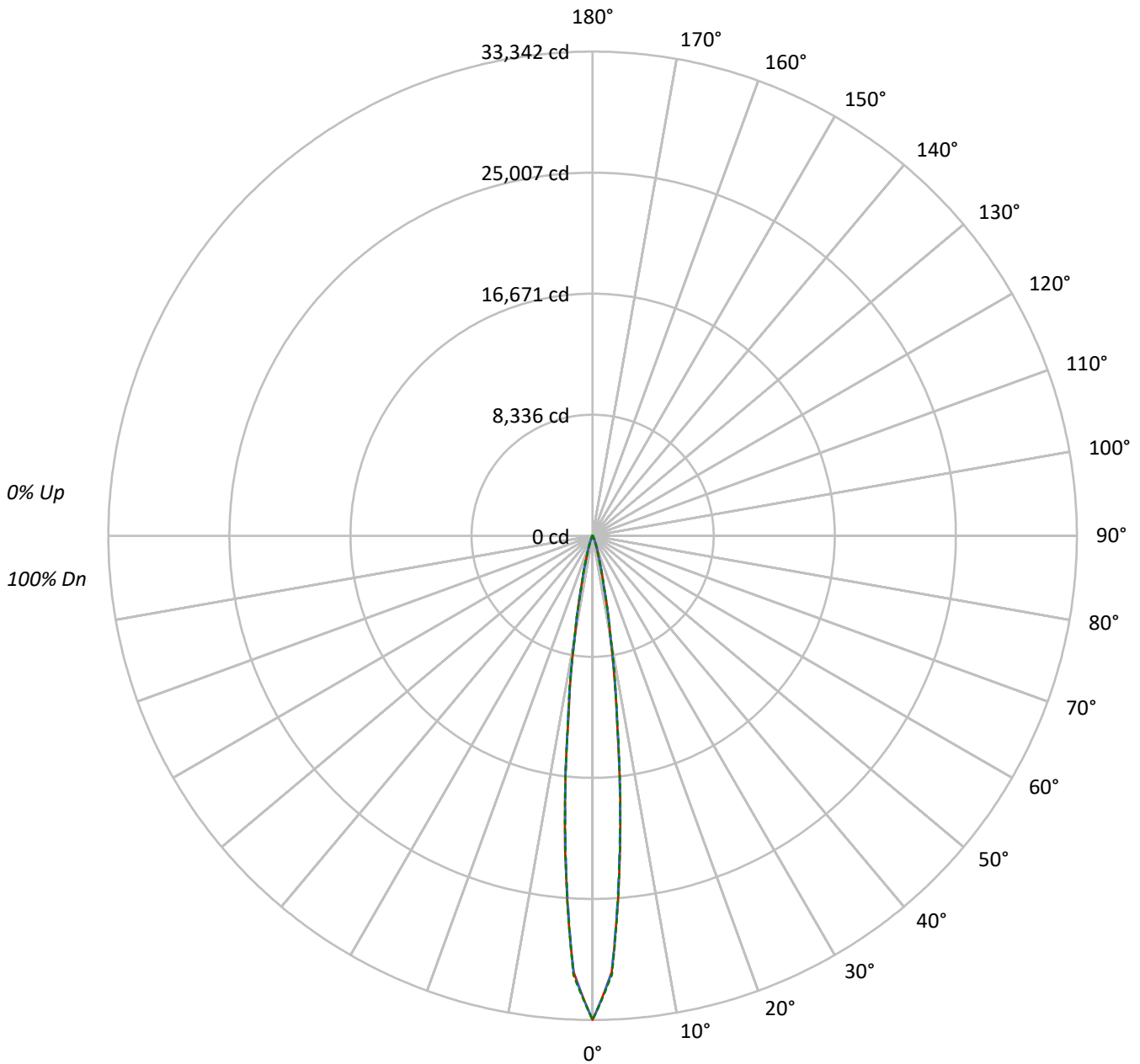


Downlight



TEST NUMBER: P744813
CATALOG NUMBER: LD4D25D010-EU4DR1515309027-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P744813

CATALOG NUMBER: LD4D25D010-EU4DR1515309027-4LBDP1LI

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°	3751651	3751651	3751651
5°	2204646	2176098	2193314
10°	657986	662596	672738
15°	163664	166852	161701
20°	48971	56703	50010
25°	17263	21991	17481
30°	6342	8349	6447
35°	3181	3587	3072
40°	2003	2209	2003
45°	1484	1582	1484
50°	1175	1175	1175
55°	981	981	981
60°	793	793	793
65°	607	607	607
70°	519	519	519
75°	317	317	423
80°	221	221	221
85°	116	116	116

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1582 cd/sqm



TEST NUMBER: P744813

CATALOG NUMBER: LD4D25D010-EU4DR1515309027-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1587.2	64.9
10°-20°	652.8	26.7
20°-30°	129.7	5.3
30°-40°	32.4	1.3
40°-50°	17.0	0.7
50°-60°	12.6	0.5
60°-70°	8.9	0.4
70°-80°	5.0	0.2
80°-90°	1.5	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°	2369.7	96.8
0°-40°	2402.0	98.2
0°-60°	2431.6	99.4
0°-90°	2447.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2447.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	33342	33342	33342	33342	33342	
5°	21693	21470	21412	21560	21582	1584
15°	1884	1920	1921	1887	1862	646
25°	222	251	282	250	224	116
35°	44	47	49	47	42	30
45°	21	21	23	21	21	17
55°	14	14	14	14	14	13
65°	8	8	8	8	8	9
75°	4	4	4	4	6	5
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



TEST NUMBER: P744813

CATALOG NUMBER: LD4D25D010-EU4DR1515309027-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	33342.1	33342.1	33342.1	33342.1	33342.1
2.5°	30075.9	30101.3	30111.2	30140.8	30250.9
5°	21693.1	21470.1	21412.2	21560.4	21581.6
7.5°	12850.2	12895.3	13060.5	13097.2	12964.5
10°	7051.8	7109.6	7101.2	7152.0	7209.9
12.5°	3606.3	3561.2	3547.1	3604.9	3524.5
15°	1884.3	1919.6	1921.0	1887.2	1861.7
17.5°	1013.4	1054.4	1122.1	1067.1	982.4
20°	598.5	635.2	693.0	647.9	611.2
22.5°	369.8	399.5	440.4	405.1	375.5
25°	221.6	251.2	282.3	249.8	224.4
27.5°	131.3	156.7	176.4	155.3	129.9
30°	84.7	98.8	111.5	97.4	86.1
32.5°	59.3	64.9	70.6	64.9	59.3
35°	43.8	46.6	49.4	46.6	42.3
37.5°	33.9	36.7	38.1	35.3	32.5
40°	28.2	29.6	31.1	29.6	28.2
42.5°	24.0	25.4	25.4	25.4	24.0
45°	21.2	21.2	22.6	21.2	21.2
47.5°	18.3	18.3	19.8	18.3	18.3
50°	16.9	16.9	16.9	16.9	16.9
52.5°	15.5	15.5	15.5	15.5	15.5
55°	14.1	14.1	14.1	14.1	14.1
57.5°	12.7	12.7	12.7	12.7	12.7
60°	11.3	11.3	11.3	11.3	11.3
62.5°	9.9	9.9	9.9	9.9	9.9
65°	8.5	8.5	8.5	8.5	8.5
67.5°	8.5	8.5	8.5	8.5	8.5
70°	7.1	7.1	7.1	7.1	7.1
72.5°	5.6	5.6	5.6	5.6	5.6
75°	4.2	4.2	4.2	4.2	5.6
77.5°	4.2	4.2	4.2	4.2	4.2
80°	2.8	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4
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)