

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: P744858

Luminaire Tested: LD4D25D010-EU4DR1515309040-4LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P744858  
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-EU4DR1515309040-4LBSQW1B  
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2256.5 lumens  
Efficiency: N/A  
Efficacy: 89.9 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



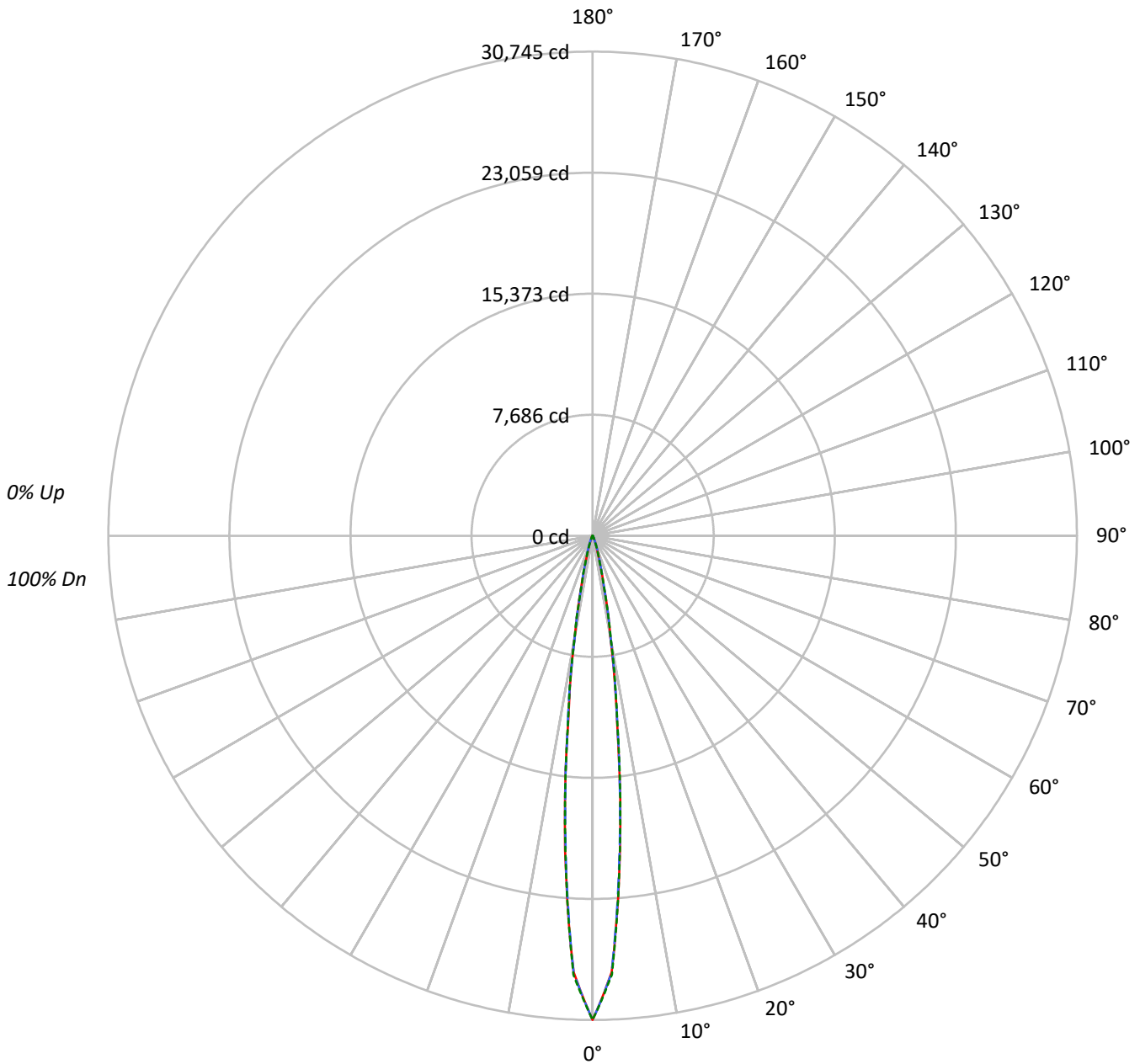
Downlight



TEST NUMBER: P744858

CATALOG NUMBER: LD4D25D010-EU4DR1515309040-4LBSQW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P744858

CATALOG NUMBER: LD4D25D010-EU4DR1515309040-4LBSQW1B

**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°	3459392	3459392	3459392
5°	2032903	2006581	2022446
10°	606723	610978	620328
15°	150914	153858	149107
20°	45150	52285	46115
25°	15915	20278	16118
30°	5848	7698	5946
35°	2927	3311	2832
40°	1846	2031	1846
45°	1365	1456	1365
50°	1085	1085	1085
55°	905	905	905
60°	730	730	730
65°	557	557	557
70°	475	475	475
75°	295	295	393
80°	205	205	205
85°	108	108	108

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1456 cd/sqm



TEST NUMBER: P744858

CATALOG NUMBER: LD4D25D010-EU4DR1515309040-4LBSQW1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1463.5	64.9
10°-20°	602.0	26.7
20°-30°	119.6	5.3
30°-40°	29.8	1.3
40°-50°	15.7	0.7
50°-60°	11.6	0.5
60°-70°	8.2	0.4
70°-80°	4.7	0.2
80°-90°	1.4	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°	2185.1	96.8
0°-40°	2214.9	98.2
0°-60°	2242.2	99.4
0°-90°	2256.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2256.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	30745	30745	30745	30745	30745	
5°	20003	19798	19744	19881	19900	1461
15°	1738	1770	1771	1740	1717	596
25°	204	232	260	230	207	107
35°	40	43	46	43	39	27
45°	20	20	21	20	20	15
55°	13	13	13	13	13	12
65°	8	8	8	8	8	8
75°	4	4	4	4	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P744858

CATALOG NUMBER: LD4D25D010-EU4DR1515309040-4LBSQW1B

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	30744.7	30744.7	30744.7	30744.7	30744.7
2.5°	27732.9	27756.3	27765.5	27792.8	27894.3
5°	20003.2	19797.5	19744.2	19880.8	19900.3
7.5°	11849.1	11890.7	12043.0	12076.9	11954.5
10°	6502.4	6555.8	6548.0	6594.8	6648.2
12.5°	3325.4	3283.8	3270.7	3324.1	3249.9
15°	1737.5	1770.1	1771.4	1740.1	1716.7
17.5°	934.5	972.2	1034.7	984.0	905.9
20°	551.8	585.7	639.0	597.4	563.6
22.5°	341.0	368.3	406.1	373.5	346.2
25°	204.3	231.7	260.3	230.4	206.9
27.5°	121.0	144.5	162.7	143.2	119.7
30°	78.1	91.1	102.8	89.8	79.4
32.5°	54.7	59.9	65.1	59.9	54.7
35°	40.3	43.0	45.6	43.0	39.0
37.5°	31.2	33.8	35.1	32.5	29.9
40°	26.0	27.3	28.6	27.3	26.0
42.5°	22.1	23.4	23.4	23.4	22.1
45°	19.5	19.5	20.8	19.5	19.5
47.5°	16.9	16.9	18.2	16.9	16.9
50°	15.6	15.6	15.6	15.6	15.6
52.5°	14.3	14.3	14.3	14.3	14.3
55°	13.0	13.0	13.0	13.0	13.0
57.5°	11.7	11.7	11.7	11.7	11.7
60°	10.4	10.4	10.4	10.4	10.4
62.5°	9.1	9.1	9.1	9.1	9.1
65°	7.8	7.8	7.8	7.8	7.8
67.5°	7.8	7.8	7.8	7.8	7.8
70°	6.5	6.5	6.5	6.5	6.5
72.5°	5.2	5.2	5.2	5.2	5.2
75°	3.9	3.9	3.9	3.9	5.2
77.5°	3.9	3.9	3.9	3.9	3.9
80°	2.6	2.6	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	2.6	2.6
85°	1.3	1.3	1.3	1.3	1.3
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)