

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: P762879

Luminaire Tested: LD6D25D010-EU6DR1515309027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762879
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: LD6D25D010-EU6DR1515309027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2740.0 lumens
Efficiency: N/A
Efficacy: 109.2 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 (A_{in}): 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

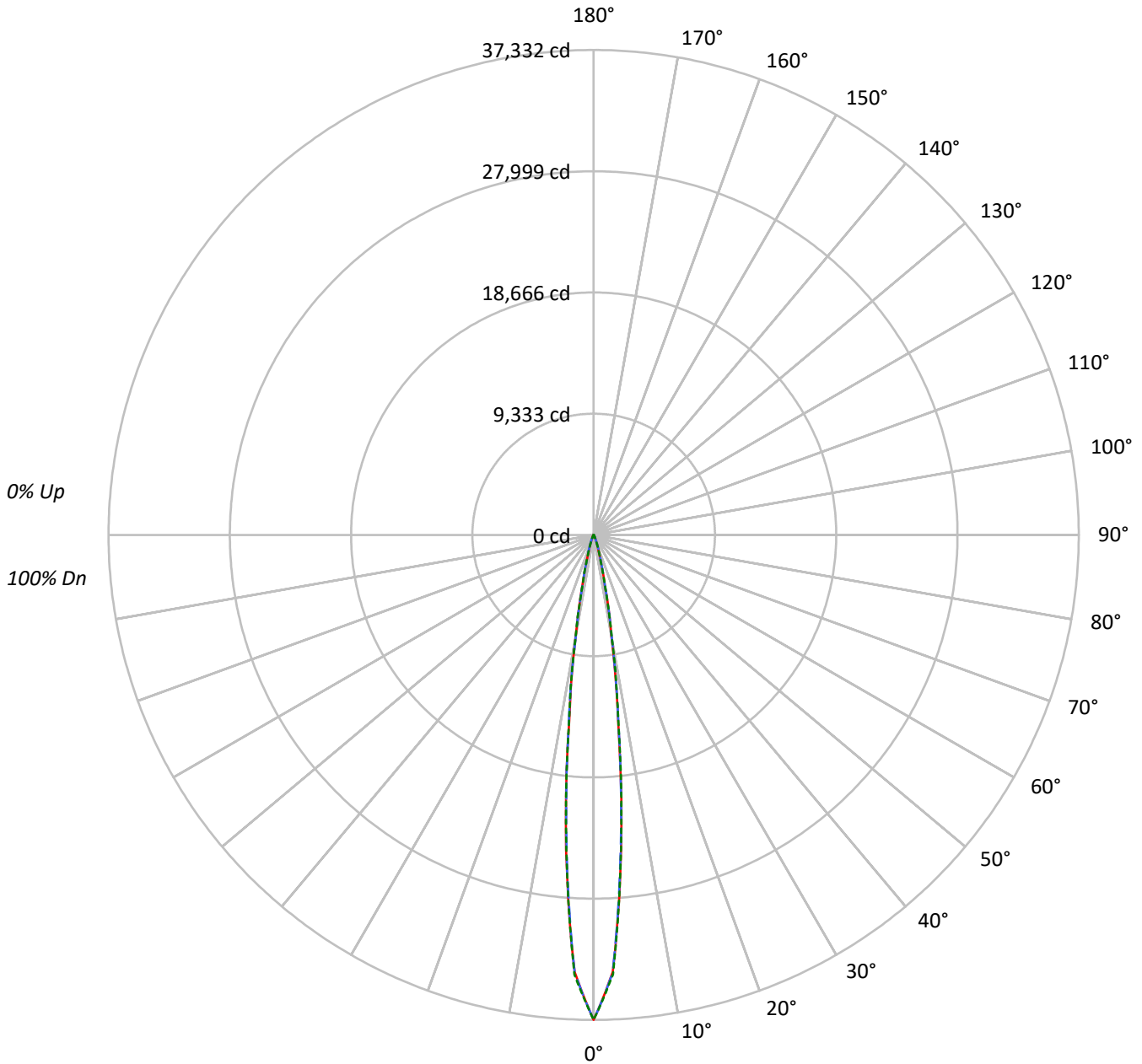


Downlight



TEST NUMBER: P762879
CATALOG NUMBER: LD6D25D010-EU6DR1515309027-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P762879

CATALOG NUMBER: LD6D25D010-EU6DR1515309027-6LBS1B

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°	4200617	4200617	4200617
5°	2468485	2436522	2455791
10°	736729	741889	753244
15°	183251	186820	181053
20°	54829	63494	55991
25°	19327	24624	19576
30°	7099	9353	7219
35°	3558	4016	3442
40°	2244	2471	2244
45°	1659	1771	1659
50°	1321	1321	1321
55°	1100	1100	1100
60°	885	885	885
65°	678	678	678
70°	578	578	578
75°	355	355	476
80°	252	252	252
85°	133	133	133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1771 cd/sqm



TEST NUMBER: P762879
 CATALOG NUMBER: LD6D25D010-EU6DR1515309027-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1777.1	64.9
10°-20°	731.0	26.7
20°-30°	145.2	5.3
30°-40°	36.2	1.3
40°-50°	19.0	0.7
50°-60°	14.1	0.5
60°-70°	10.0	0.4
70°-80°	5.7	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°	2653.2	96.8
0°-40°	2689.5	98.2
0°-60°	2722.6	99.4
0°-90°	2740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2740.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37332	37332	37332	37332	37332	
5°	24289	24040	23975	24141	24164	1774
15°	2110	2149	2151	2113	2084	723
25°	248	281	316	280	251	130
35°	49	52	55	52	47	33
45°	24	24	25	24	24	19
55°	16	16	16	16	16	14
65°	10	10	10	10	10	10
75°	5	5	5	5	6	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P762879

CATALOG NUMBER: LD6D25D010-EU6DR1515309027-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	37332.2	37332.2	37332.2	37332.2	37332.2
2.5°	33675.2	33703.6	33714.7	33747.9	33871.2
5°	24289.2	24039.5	23974.7	24140.6	24164.3
7.5°	14388.0	14438.5	14623.5	14664.5	14516.0
10°	7895.7	7960.5	7951.0	8007.9	8072.7
12.5°	4037.9	3987.4	3971.5	4036.3	3946.3
15°	2109.8	2149.3	2150.9	2113.0	2084.5
17.5°	1134.7	1180.6	1256.4	1194.8	1100.0
20°	670.1	711.2	776.0	725.4	684.3
22.5°	414.1	447.3	493.1	453.6	420.4
25°	248.1	281.3	316.1	279.7	251.3
27.5°	147.0	175.4	197.6	173.8	145.4
30°	94.8	110.6	124.9	109.0	96.4
32.5°	66.4	72.7	79.0	72.7	66.4
35°	49.0	52.2	55.3	52.2	47.4
37.5°	37.9	41.1	42.7	39.5	36.3
40°	31.6	33.2	34.8	33.2	31.6
42.5°	26.9	28.4	28.4	28.4	26.9
45°	23.7	23.7	25.3	23.7	23.7
47.5°	20.5	20.5	22.1	20.5	20.5
50°	19.0	19.0	19.0	19.0	19.0
52.5°	17.4	17.4	17.4	17.4	17.4
55°	15.8	15.8	15.8	15.8	15.8
57.5°	14.2	14.2	14.2	14.2	14.2
60°	12.6	12.6	12.6	12.6	12.6
62.5°	11.1	11.1	11.1	11.1	11.1
65°	9.5	9.5	9.5	9.5	9.5
67.5°	9.5	9.5	9.5	9.5	9.5
70°	7.9	7.9	7.9	7.9	7.9
72.5°	6.3	6.3	6.3	6.3	6.3
75°	4.7	4.7	4.7	4.7	6.3
77.5°	4.7	4.7	4.7	4.7	4.7
80°	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6
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)