

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: P762922

Luminaire Tested: LD6D25D010-EU6DR1515309040-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762922
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-EU6DR1515309040-6LBSQW1B
Description: 6 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: 2685.2 lumens
Efficiency: N/A
Efficacy: 107.0 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



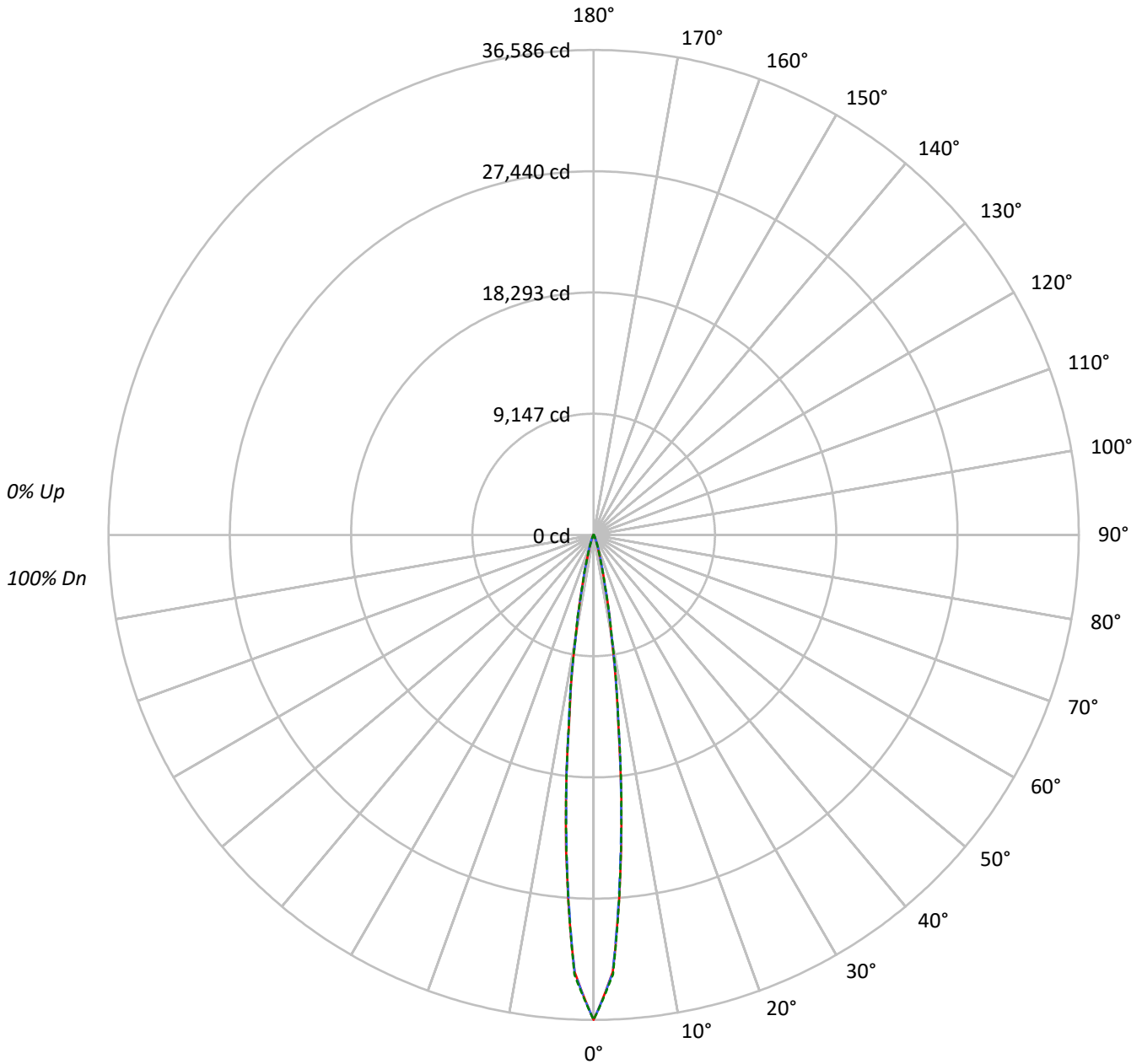
Downlight



TEST NUMBER: P762922

CATALOG NUMBER: LD6D25D010-EU6DR1515309040-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P762922

CATALOG NUMBER: LD6D25D010-EU6DR1515309040-6LBSQW1B

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°	4116666	4116666	4116666
5°	2419154	2387822	2406715
10°	722005	727062	738194
15°	179594	183086	177440
20°	53733	62226	54870
25°	18945	24134	19187
30°	6956	9165	7076
35°	3486	3936	3377
40°	2201	2422	2201
45°	1624	1736	1624
50°	1293	1293	1293
55°	1079	1079	1079
60°	871	871	871
65°	664	664	664
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: 1736 cd/sqm



TEST NUMBER: P762922

CATALOG NUMBER: LD6D25D010-EU6DR1515309040-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1741.6	64.9
10°-20°	716.4	26.7
20°-30°	142.3	5.3
30°-40°	35.5	1.3
40°-50°	18.7	0.7
50°-60°	13.8	0.5
60°-70°	9.8	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°	2600.2	96.8
0°-40°	2635.7	98.2
0°-60°	2668.2	99.4
0°-90°	2685.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2685.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36586	36586	36586	36586	36586	
5°	23804	23559	23496	23658	23681	1738
15°	2068	2106	2108	2071	2043	709
25°	243	276	310	274	246	128
35°	48	51	54	51	46	33
45°	23	23	25	23	23	18
55°	16	16	16	16	16	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	



TEST NUMBER: P762922

CATALOG NUMBER: LD6D25D010-EU6DR1515309040-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	36586.1	36586.1	36586.1	36586.1	36586.1
2.5°	33002.2	33030.1	33040.9	33073.4	33194.2
5°	23803.8	23559.0	23495.5	23658.2	23681.4
7.5°	14100.4	14150.0	14331.2	14371.5	14225.9
10°	7737.9	7801.4	7792.1	7847.9	7911.4
12.5°	3957.2	3907.7	3892.2	3955.7	3867.4
15°	2067.7	2106.4	2107.9	2070.8	2042.9
17.5°	1112.1	1157.0	1231.3	1170.9	1078.0
20°	656.7	697.0	760.5	710.9	670.6
22.5°	405.8	438.3	483.2	444.5	412.0
25°	243.2	275.7	309.8	274.1	246.3
27.5°	144.0	171.9	193.6	170.4	142.5
30°	92.9	108.4	122.4	106.9	94.5
32.5°	65.1	71.2	77.4	71.2	65.1
35°	48.0	51.1	54.2	51.1	46.5
37.5°	37.2	40.3	41.8	38.7	35.6
40°	31.0	32.5	34.1	32.5	31.0
42.5°	26.3	27.9	27.9	27.9	26.3
45°	23.2	23.2	24.8	23.2	23.2
47.5°	20.1	20.1	21.7	20.1	20.1
50°	18.6	18.6	18.6	18.6	18.6
52.5°	17.0	17.0	17.0	17.0	17.0
55°	15.5	15.5	15.5	15.5	15.5
57.5°	13.9	13.9	13.9	13.9	13.9
60°	12.4	12.4	12.4	12.4	12.4
62.5°	10.8	10.8	10.8	10.8	10.8
65°	9.3	9.3	9.3	9.3	9.3
67.5°	9.3	9.3	9.3	9.3	9.3
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

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)