

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: P762926

Luminaire Tested: LD6D25D010-EU6DR1515309050-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762926
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-EU6DR1515309050-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2891.6 lumens
Efficiency: N/A
Efficacy: 115.2 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 (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

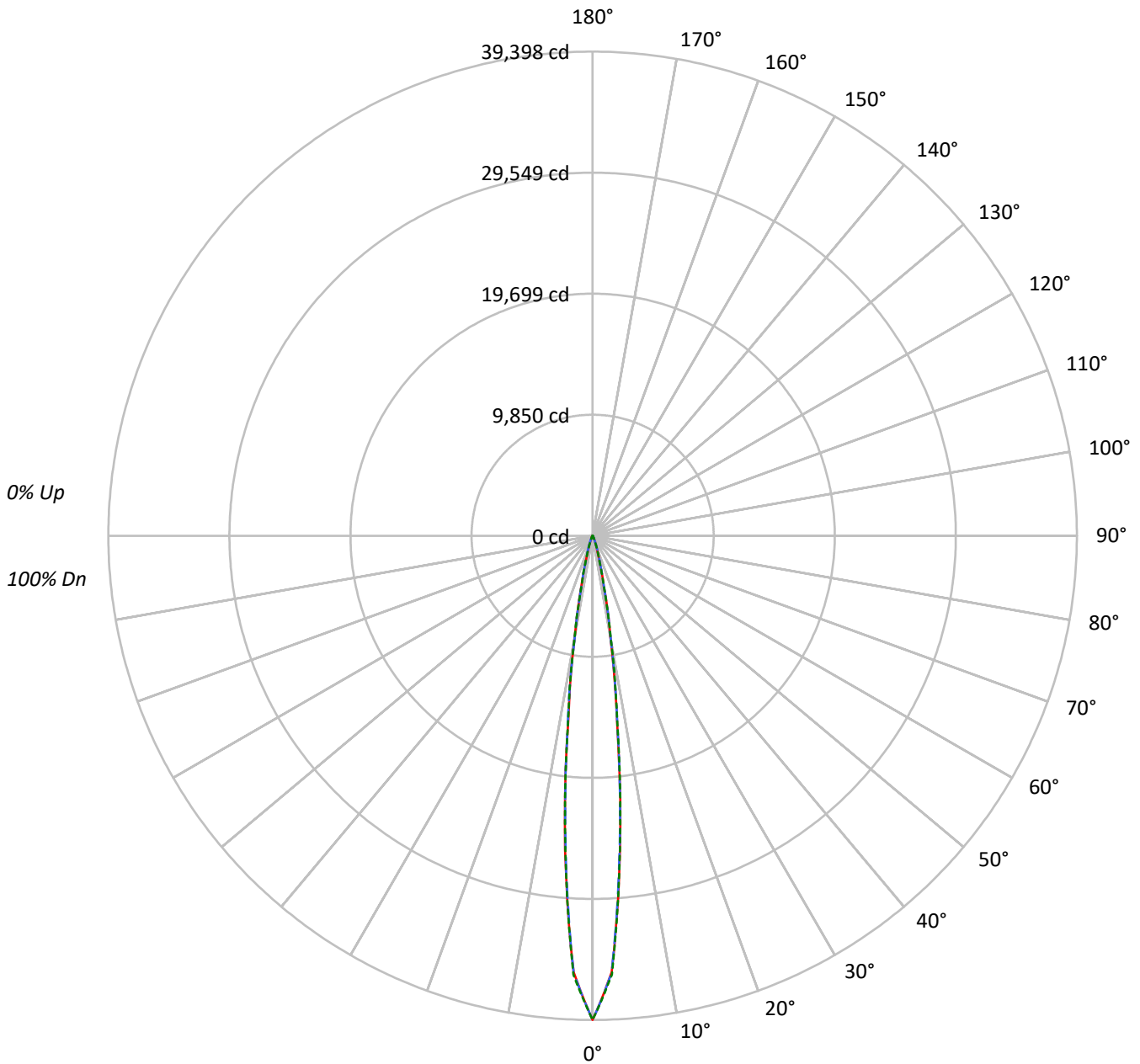


Downlight



TEST NUMBER: P762926
CATALOG NUMBER: LD6D25D010-EU6DR1515309050-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P762926

CATALOG NUMBER: LD6D25D010-EU6DR1515309050-6LBCSSQMW

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°	4433027	4433027	4433027
5°	2605054	2571323	2591659
10°	777486	782935	794915
15°	193395	197156	191076
20°	57865	67005	59092
25°	20402	25988	20659
30°	7496	9869	7615
35°	3754	4241	3631
40°	2372	2606	2372
45°	1750	1869	1750
50°	1391	1391	1391
55°	1162	1162	1162
60°	934	934	934
65°	714	714	714
70°	607	607	607
75°	378	378	506
80°	260	260	260
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1869 cd/sqm



TEST NUMBER: P762926

CATALOG NUMBER: LD6D25D010-EU6DR1515309050-6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1875.4	64.9
10°-20°	771.4	26.7
20°-30°	153.2	5.3
30°-40°	38.2	1.3
40°-50°	20.1	0.7
50°-60°	14.9	0.5
60°-70°	10.5	0.4
70°-80°	6.0	0.2
80°-90°	1.8	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°	2800.0	96.8
0°-40°	2838.3	98.2
0°-60°	2873.3	99.4
0°-90°	2891.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2891.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	39398	39398	39398	39398	39398	
5°	25633	25370	25301	25476	25501	1872
15°	2227	2268	2270	2230	2200	763
25°	262	297	334	295	265	138
35°	52	55	58	55	50	35
45°	25	25	27	25	25	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P762926

CATALOG NUMBER: LD6D25D010-EU6DR1515309050-6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	39397.7	39397.7	39397.7	39397.7	39397.7
2.5°	35538.3	35568.3	35580.0	35615.0	35745.1
5°	25633.0	25369.5	25301.1	25476.2	25501.2
7.5°	15184.0	15237.4	15432.5	15475.9	15319.1
10°	8332.5	8400.9	8390.9	8450.9	8519.3
12.5°	4261.3	4208.0	4191.3	4259.7	4164.6
15°	2226.6	2268.3	2269.9	2229.9	2199.9
17.5°	1197.5	1245.9	1325.9	1260.9	1160.8
20°	707.2	750.5	818.9	765.5	722.2
22.5°	437.0	472.0	520.4	478.7	443.6
25°	261.9	296.9	333.6	295.2	265.2
27.5°	155.1	185.1	208.5	183.5	153.4
30°	100.1	116.7	131.8	115.1	101.7
32.5°	70.0	76.7	83.4	76.7	70.0
35°	51.7	55.0	58.4	55.0	50.0
37.5°	40.0	43.4	45.0	41.7	38.4
40°	33.4	35.0	36.7	35.0	33.4
42.5°	28.4	30.0	30.0	30.0	28.4
45°	25.0	25.0	26.7	25.0	25.0
47.5°	21.7	21.7	23.3	21.7	21.7
50°	20.0	20.0	20.0	20.0	20.0
52.5°	18.3	18.3	18.3	18.3	18.3
55°	16.7	16.7	16.7	16.7	16.7
57.5°	15.0	15.0	15.0	15.0	15.0
60°	13.3	13.3	13.3	13.3	13.3
62.5°	11.7	11.7	11.7	11.7	11.7
65°	10.0	10.0	10.0	10.0	10.0
67.5°	10.0	10.0	10.0	10.0	10.0
70°	8.3	8.3	8.3	8.3	8.3
72.5°	6.7	6.7	6.7	6.7	6.7
75°	5.0	5.0	5.0	5.0	6.7
77.5°	5.0	5.0	5.0	5.0	5.0
80°	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	3.3	3.3
85°	1.7	1.7	1.7	1.7	1.7
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)