

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: P762936

Luminaire Tested: LD6D25D010-EU6DR1515309050-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762936
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-EU6DR1515309050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF 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: 2788.7 lumens
Efficiency: N/A
Efficacy: 111.1 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



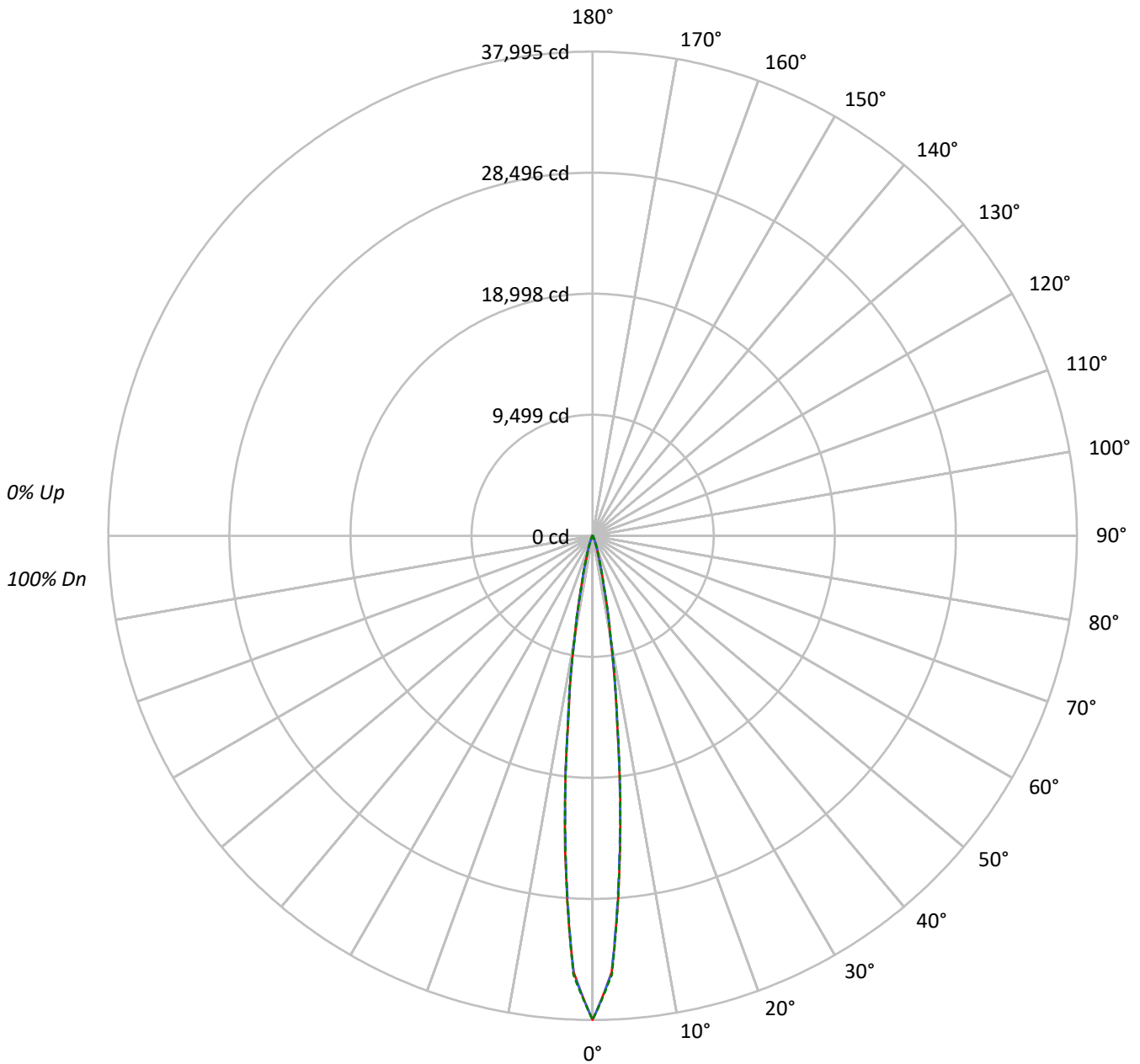
Downlight



TEST NUMBER: P762936

CATALOG NUMBER: LD6D25D010-EU6DR1515309050-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P762936

CATALOG NUMBER: LD6D25D010-EU6DR1515309050-6LBSQW1MW

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°	4275229	4275229	4275229
5°	2512327	2479796	2499410
10°	749810	755064	766625
15°	186508	190138	184275
20°	55803	64624	56990
25°	19670	25061	19919
30°	7226	9517	7346
35°	3624	4088	3508
40°	2287	2514	2287
45°	1687	1799	1687
50°	1342	1342	1342
55°	1121	1121	1121
60°	906	906	906
65°	692	692	692
70°	585	585	585
75°	363	363	484
80°	252	252	252
85°	133	133	133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1799 cd/sqm



TEST NUMBER: P762936

CATALOG NUMBER: LD6D25D010-EU6DR1515309050-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1808.7	64.9
10°-20°	743.9	26.7
20°-30°	147.8	5.3
30°-40°	36.9	1.3
40°-50°	19.4	0.7
50°-60°	14.4	0.5
60°-70°	10.2	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°	2700.4	96.8
0°-40°	2737.2	98.2
0°-60°	2771.0	99.4
0°-90°	2788.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2788.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37995	37995	37995	37995	37995	
5°	24721	24466	24400	24569	24594	1805
15°	2147	2188	2189	2150	2122	736
25°	252	286	322	285	256	133
35°	50	53	56	53	48	34
45°	24	24	26	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: P762936

CATALOG NUMBER: LD6D25D010-EU6DR1515309050-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	37995.3	37995.3	37995.3	37995.3	37995.3
2.5°	34273.3	34302.3	34313.5	34347.3	34472.8
5°	24720.6	24466.5	24400.5	24569.4	24593.5
7.5°	14643.5	14695.0	14883.2	14925.0	14773.8
10°	8035.9	8101.9	8092.2	8150.1	8216.1
12.5°	4109.6	4058.2	4042.1	4108.0	4016.4
15°	2147.3	2187.5	2189.1	2150.5	2121.6
17.5°	1154.9	1201.5	1278.7	1216.0	1119.5
20°	682.0	723.8	789.8	738.3	696.5
22.5°	421.4	455.2	501.8	461.6	427.9
25°	252.5	286.3	321.7	284.7	255.7
27.5°	149.6	178.5	201.1	176.9	148.0
30°	96.5	112.6	127.1	111.0	98.1
32.5°	67.6	74.0	80.4	74.0	67.6
35°	49.9	53.1	56.3	53.1	48.3
37.5°	38.6	41.8	43.4	40.2	37.0
40°	32.2	33.8	35.4	33.8	32.2
42.5°	27.3	29.0	29.0	29.0	27.3
45°	24.1	24.1	25.7	24.1	24.1
47.5°	20.9	20.9	22.5	20.9	20.9
50°	19.3	19.3	19.3	19.3	19.3
52.5°	17.7	17.7	17.7	17.7	17.7
55°	16.1	16.1	16.1	16.1	16.1
57.5°	14.5	14.5	14.5	14.5	14.5
60°	12.9	12.9	12.9	12.9	12.9
62.5°	11.3	11.3	11.3	11.3	11.3
65°	9.7	9.7	9.7	9.7	9.7
67.5°	9.7	9.7	9.7	9.7	9.7
70°	8.0	8.0	8.0	8.0	8.0
72.5°	6.4	6.4	6.4	6.4	6.4
75°	4.8	4.8	4.8	4.8	4.8
77.5°	4.8	4.8	4.8	4.8	4.8
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)