

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: P763117

Luminaire Tested: LD6D25D010-EU6DR3020359027-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR3020359027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2036.4 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
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



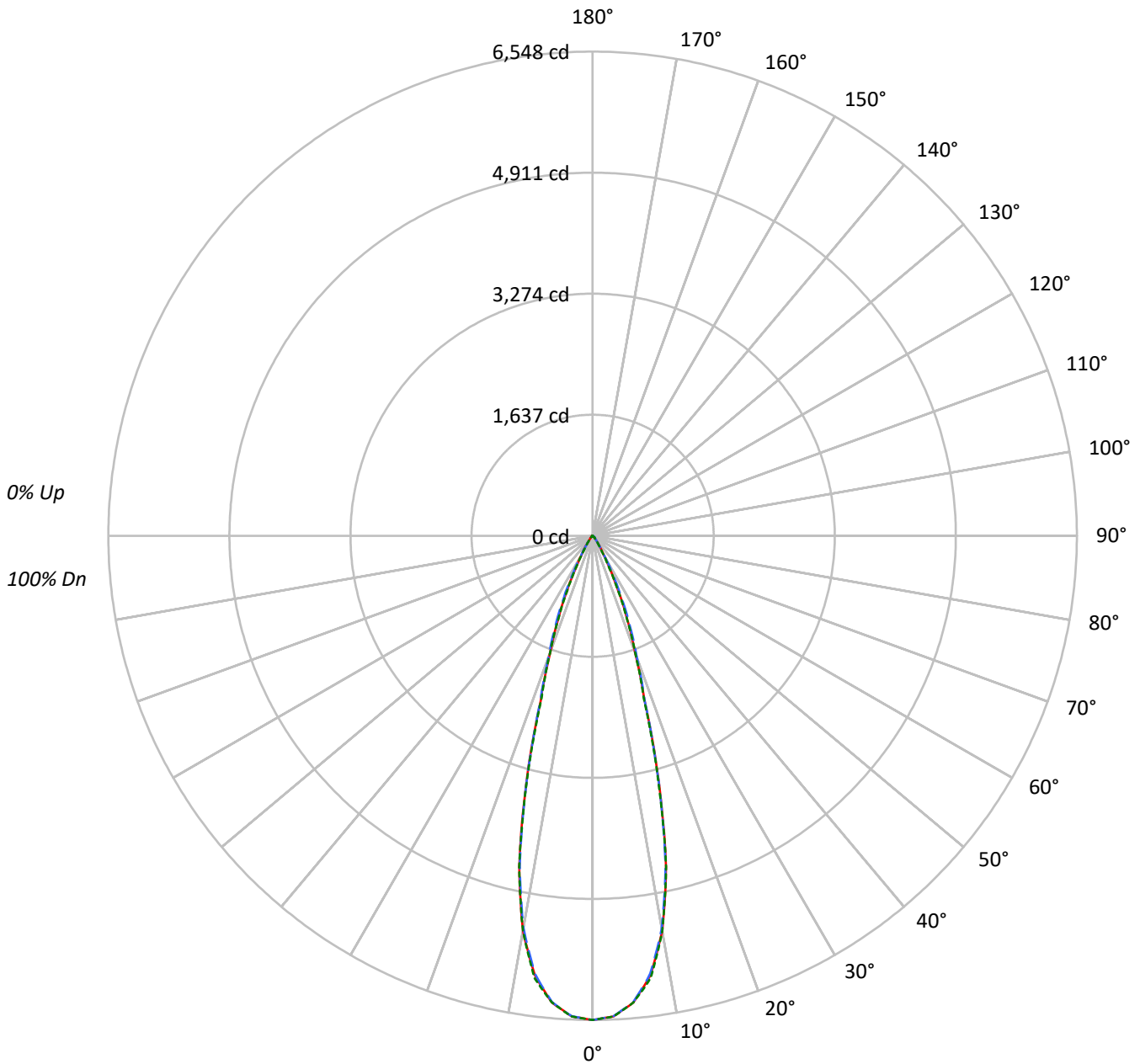
Downlight



TEST NUMBER: P763117

CATALOG NUMBER: LD6D25D010-EU6DR3020359027-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P763117

CATALOG NUMBER: LD6D25D010-EU6DR3020359027-6LBSQW1B

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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	501214	501214	501214
5°	486824	486255	486847
10°	421662	418692	421561
15°	275110	273636	272265
20°	136797	141937	136618
25°	68908	77708	67497
30°	27585	30068	24041
35°	12792	12250	10269
40°	5526	6135	5206
45°	3897	4839	3929
50°	1334	3525	1417
55°	774	1455	814
60°	551	643	551
65°	344	344	344
70°	224	134	224
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4839 cd/sqm



TEST NUMBER: P763117

CATALOG NUMBER: LD6D25D010-EU6DR3020359027-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.8	28.3
10°-20°	927.3	45.5
20°-30°	400.7	19.7
30°-40°	91.3	4.5
40°-50°	31.4	1.5
50°-60°	7.7	0.4
60°-70°	2.0	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	1903.9	93.5
0°-40°	1995.2	98.0
0°-60°	2034.2	99.9
0°-90°	2036.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2036.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6548	6548	6548	6548	6548	
5°	6336	6330	6328	6342	6336	576
15°	3472	3430	3453	3442	3436	930
25°	816	847	920	825	799	391
35°	137	140	131	130	110	93
45°	36	45	45	45	36	26
55°	6	6	11	6	6	6
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P763117

CATALOG NUMBER: LD6D25D010-EU6DR3020359027-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6548.1	6548.1	6548.1	6548.1	6548.1
2.5°	6504.7	6500.2	6502.8	6506.0	6507.2
5°	6335.9	6329.8	6328.5	6341.7	6336.2
7.5°	5995.5	5986.8	5973.6	6003.5	6031.5
10°	5425.1	5415.5	5386.9	5401.0	5423.8
12.5°	4583.1	4552.0	4551.3	4596.3	4590.2
15°	3471.7	3430.0	3453.1	3441.8	3435.8
17.5°	2334.7	2318.6	2349.4	2340.1	2299.9
20°	1679.4	1683.6	1742.5	1712.9	1677.2
22.5°	1225.5	1240.6	1310.4	1234.2	1206.2
25°	815.9	846.8	920.1	825.3	799.2
27.5°	501.8	516.0	590.3	495.4	481.3
30°	312.1	305.1	340.2	291.9	272.0
32.5°	204.8	195.8	207.1	185.8	169.8
35°	136.9	139.9	131.1	130.2	109.9
37.5°	85.5	98.4	86.8	92.6	70.7
40°	55.3	71.4	61.4	67.8	52.1
42.5°	45.3	54.9	50.5	53.7	46.3
45°	36.0	44.7	44.7	44.7	36.3
47.5°	19.9	29.9	38.3	30.5	21.2
50°	11.2	15.1	29.6	15.8	11.9
52.5°	7.7	8.7	20.2	9.0	8.0
55°	5.8	6.1	10.9	6.4	6.1
57.5°	4.5	4.8	5.8	4.8	4.5
60°	3.6	3.6	4.2	3.8	3.6
62.5°	2.6	2.6	2.9	2.6	2.6
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.0	1.3	1.3	1.3	1.3
70°	1.0	0.6	0.6	0.6	1.0
72.5°	0.6	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)