

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: P761172

Luminaire Tested: LD6D15D010-EU6DR300215IC9024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761172
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: LD6D15D010-EU6DR300215IC9024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1249.3 lumens
Efficiency: N/A
Efficacy: 79.1 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): 15.8
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



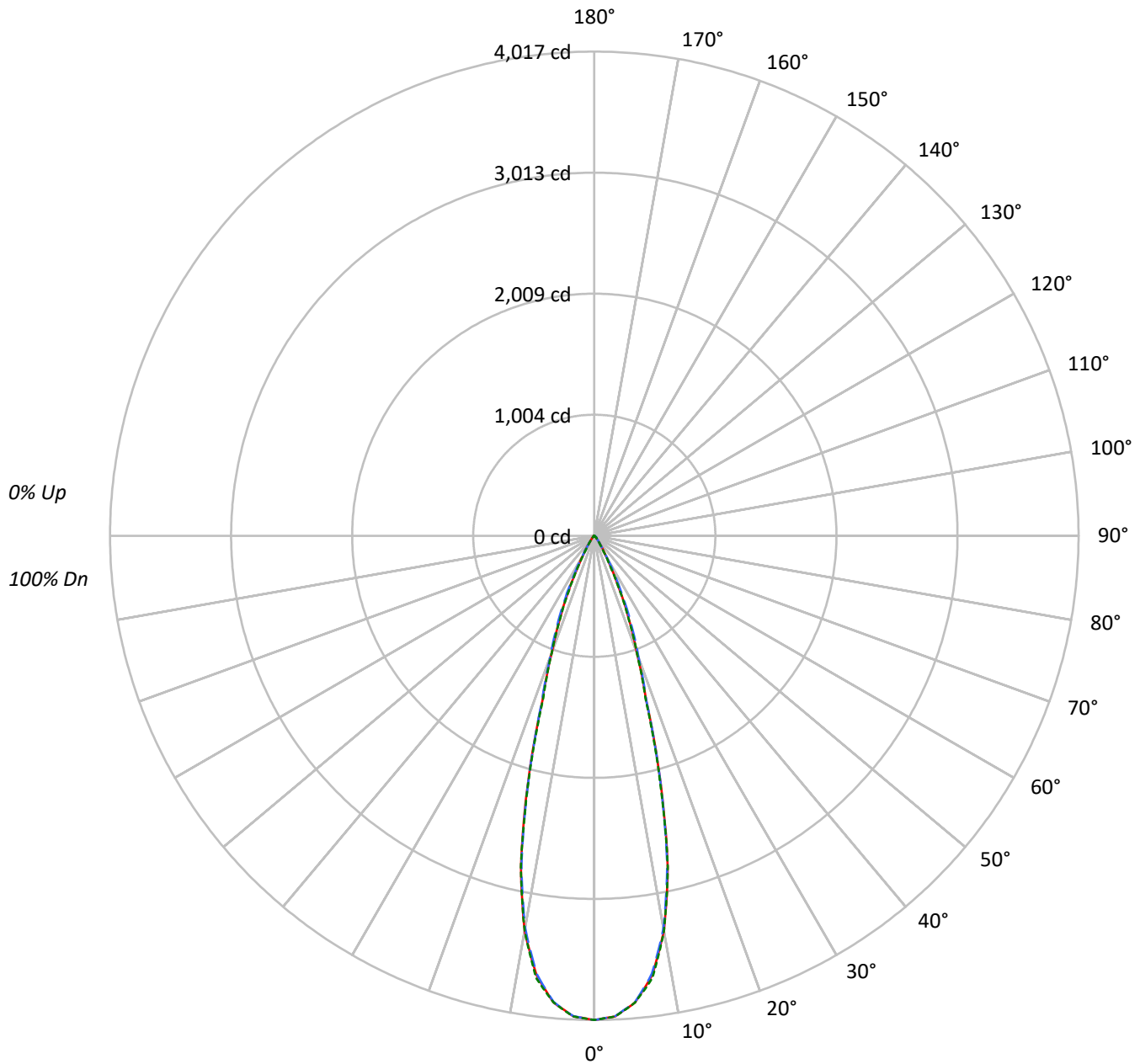
Downlight



TEST NUMBER: P761172

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9024-6LBDP1LI

Luminous Intensity Polar Plot



TEST NUMBER: P761172

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9024-6LBDP1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	109	112	110	109	107		106	105	104		103	102	101		99	99	98
2	111	107	104	101	109	105	102	100		102	100	98		99	97	96		97	95	94
3	107	102	98	95	105	101	97	94		98	95	93		96	93	91		94	92	90
4	103	98	93	90	102	96	93	90		94	91	89		93	90	88		91	89	87
5	100	94	89	86	98	93	89	86		91	88	85		90	86	84		88	86	83
6	97	90	85	82	95	89	85	82		88	84	81		87	83	81		85	83	80
7	94	87	82	79	92	86	82	79		85	81	78		84	81	78		83	80	78
8	91	84	79	76	90	83	79	76		82	78	76		81	78	75		80	77	75
9	88	81	76	73	87	80	76	73		80	76	73		79	75	73		78	75	73
10	85	78	74	71	85	78	74	71		77	73	71		76	73	71		76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	307482	307482	307482
5°	298661	298307	298676
10°	258682	256863	258627
15°	168781	167870	167030
20°	83924	87076	83818
25°	42279	47676	41409
30°	16926	18446	14743
35°	7849	7513	6298
40°	3387	3757	3197
45°	2392	2966	2414
50°	822	2167	869
55°	480	894	494
60°	337	398	337
65°	217	217	217
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2966 cd/sqm



TEST NUMBER: P761172

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9024-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.2	28.3
10°-20°	568.9	45.5
20°-30°	245.8	19.7
30°-40°	56.0	4.5
40°-50°	19.2	1.5
50°-60°	4.7	0.4
60°-70°	1.2	0.1
70°-80°	0.1	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°	1168.0	93.5
0°-40°	1224.0	98.0
0°-60°	1248.0	99.9
0°-90°	1249.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1249.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4017	4017	4017	4017	4017	
5°	3887	3883	3882	3890	3887	354
15°	2130	2104	2118	2112	2108	570
25°	501	520	564	506	490	240
35°	84	86	80	80	67	57
45°	22	27	27	27	22	16
55°	4	4	7	4	4	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P761172

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9024-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4017.1	4017.1	4017.1	4017.1	4017.1
2.5°	3990.5	3987.8	3989.3	3991.3	3992.1
5°	3887.0	3883.2	3882.4	3890.5	3887.2
7.5°	3678.1	3672.8	3664.7	3683.0	3700.2
10°	3328.2	3322.3	3304.8	3313.4	3327.5
12.5°	2811.7	2792.6	2792.2	2819.8	2816.1
15°	2129.9	2104.2	2118.4	2111.6	2107.8
17.5°	1432.3	1422.4	1441.4	1435.6	1410.9
20°	1030.3	1032.9	1069.0	1050.8	1029.0
22.5°	751.8	761.1	803.9	757.2	740.0
25°	500.6	519.5	564.5	506.3	490.3
27.5°	307.8	316.6	362.1	304.0	295.2
30°	191.5	187.2	208.7	179.1	166.8
32.5°	125.6	120.1	127.0	114.0	104.2
35°	84.0	85.8	80.4	79.9	67.4
37.5°	52.5	60.3	53.2	56.8	43.4
40°	33.9	43.8	37.6	41.6	32.0
42.5°	27.8	33.7	30.9	32.9	28.4
45°	22.1	27.4	27.4	27.4	22.3
47.5°	12.2	18.3	23.5	18.7	13.0
50°	6.9	9.3	18.2	9.7	7.3
52.5°	4.8	5.3	12.4	5.5	4.9
55°	3.6	3.7	6.7	4.0	3.7
57.5°	2.8	3.0	3.6	3.0	2.8
60°	2.2	2.2	2.6	2.3	2.2
62.5°	1.6	1.6	1.8	1.6	1.6
65°	1.2	1.2	1.2	1.2	1.2
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)