

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: P761186

Luminaire Tested: LD6D15D010-EU6DR300215IC9027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761186
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-EU6DR300215IC9027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

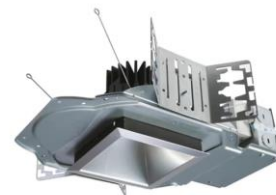
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1178.2 lumens
Efficiency: N/A
Efficacy: 74.6 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 (A_{in}): 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



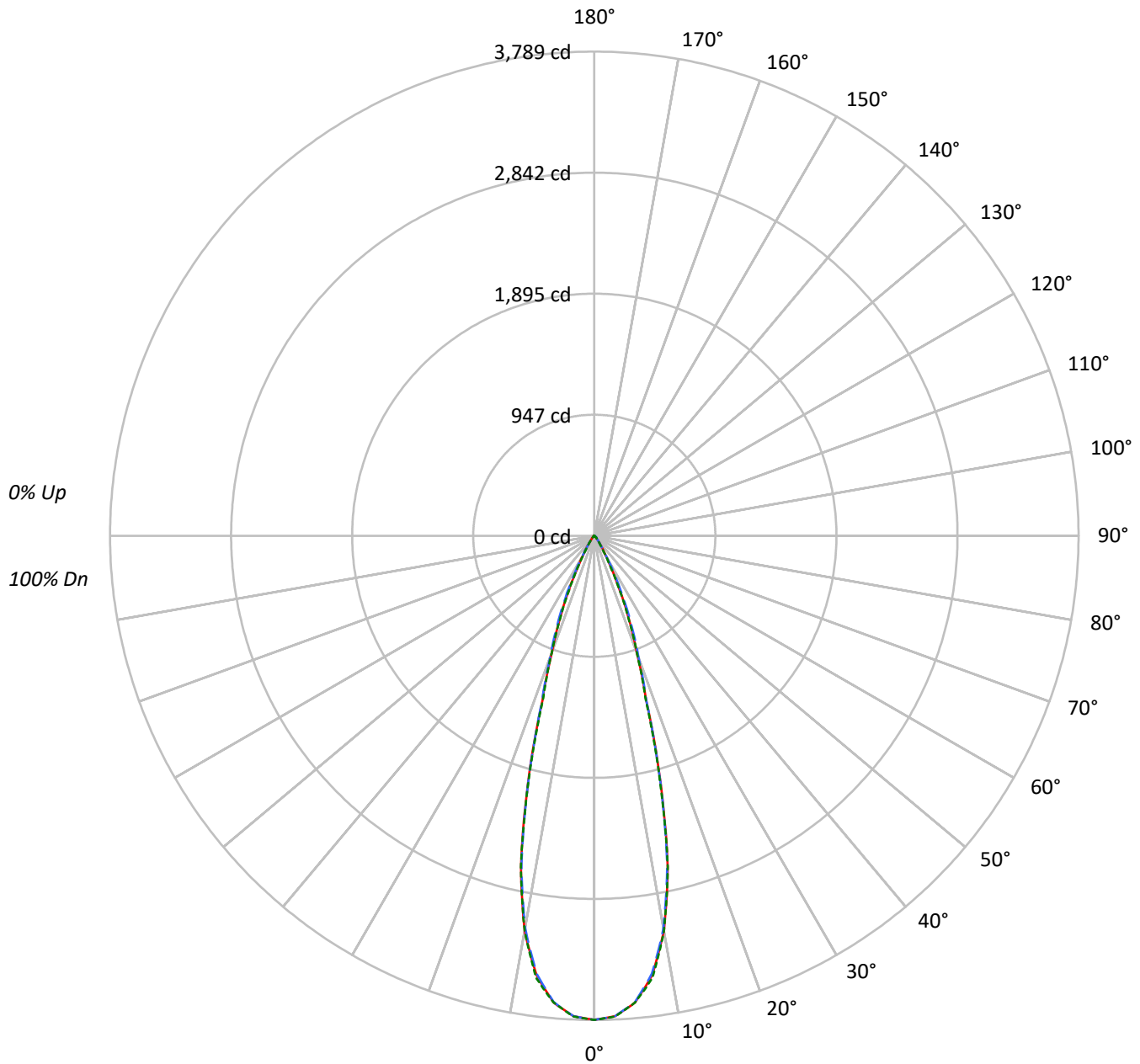
Downlight



TEST NUMBER: P761186

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9027-6LBDP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P761186

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9027-6LBDP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	289992	289992	289992
5°	281665	281334	281680
10°	243968	242243	243906
15°	159177	158321	157528
20°	79151	82124	79045
25°	39872	44956	39053
30°	15962	17394	13912
35°	7401	7092	5943
40°	3197	3547	3008
45°	2262	2793	2273
50°	774	2036	822
55°	440	841	480
60°	321	367	321
65°	199	199	199
70°	134	67	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: 2793 cd/sqm



TEST NUMBER: P761186

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9027-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.1	28.3
10°-20°	536.5	45.5
20°-30°	231.9	19.7
30°-40°	52.8	4.5
40°-50°	18.1	1.5
50°-60°	4.4	0.4
60°-70°	1.1	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°	1101.5	93.5
0°-40°	1154.4	98.0
0°-60°	1176.9	99.9
0°-90°	1178.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1178.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3789	3789	3789	3789	3789	
5°	3666	3662	3662	3669	3666	333
15°	2009	1984	1998	1991	1988	538
25°	472	490	532	478	462	226
35°	79	81	76	75	64	54
45°	21	26	26	26	21	15
55°	3	4	6	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: P761186

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9027-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3788.6	3788.6	3788.6	3788.6	3788.6
2.5°	3763.5	3760.8	3762.3	3764.2	3765.0
5°	3665.8	3662.2	3661.5	3669.2	3666.0
7.5°	3468.8	3463.8	3456.2	3473.5	3489.7
10°	3138.9	3133.3	3116.7	3124.9	3138.1
12.5°	2651.7	2633.7	2633.3	2659.4	2655.8
15°	2008.7	1984.5	1997.9	1991.4	1987.9
17.5°	1350.8	1341.4	1359.3	1353.9	1330.7
20°	971.7	974.1	1008.2	991.0	970.4
22.5°	709.0	717.8	758.2	714.1	697.9
25°	472.1	489.9	532.3	477.5	462.4
27.5°	290.4	298.6	341.5	286.6	278.5
30°	180.6	176.5	196.8	168.9	157.4
32.5°	118.5	113.3	119.8	107.5	98.2
35°	79.2	80.9	75.9	75.3	63.6
37.5°	49.5	56.9	50.2	53.6	40.9
40°	32.0	41.3	35.5	39.2	30.1
42.5°	26.2	31.8	29.2	31.1	26.8
45°	20.9	25.8	25.8	25.8	21.0
47.5°	11.5	17.3	22.1	17.6	12.3
50°	6.5	8.8	17.1	9.1	6.9
52.5°	4.5	5.0	11.7	5.2	4.6
55°	3.3	3.6	6.3	3.7	3.6
57.5°	2.6	2.8	3.3	2.8	2.6
60°	2.1	2.1	2.4	2.2	2.1
62.5°	1.5	1.5	1.7	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.6	0.7	0.7	0.7	0.7
70°	0.6	0.3	0.3	0.3	0.6
72.5°	0.3	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)