

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: P761222

Luminaire Tested: LD6D15D010-EU6DR300215IC9040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761222
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-EU6DR300215IC9040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1553.5 lumens
Efficiency: N/A
Efficacy: 98.3 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



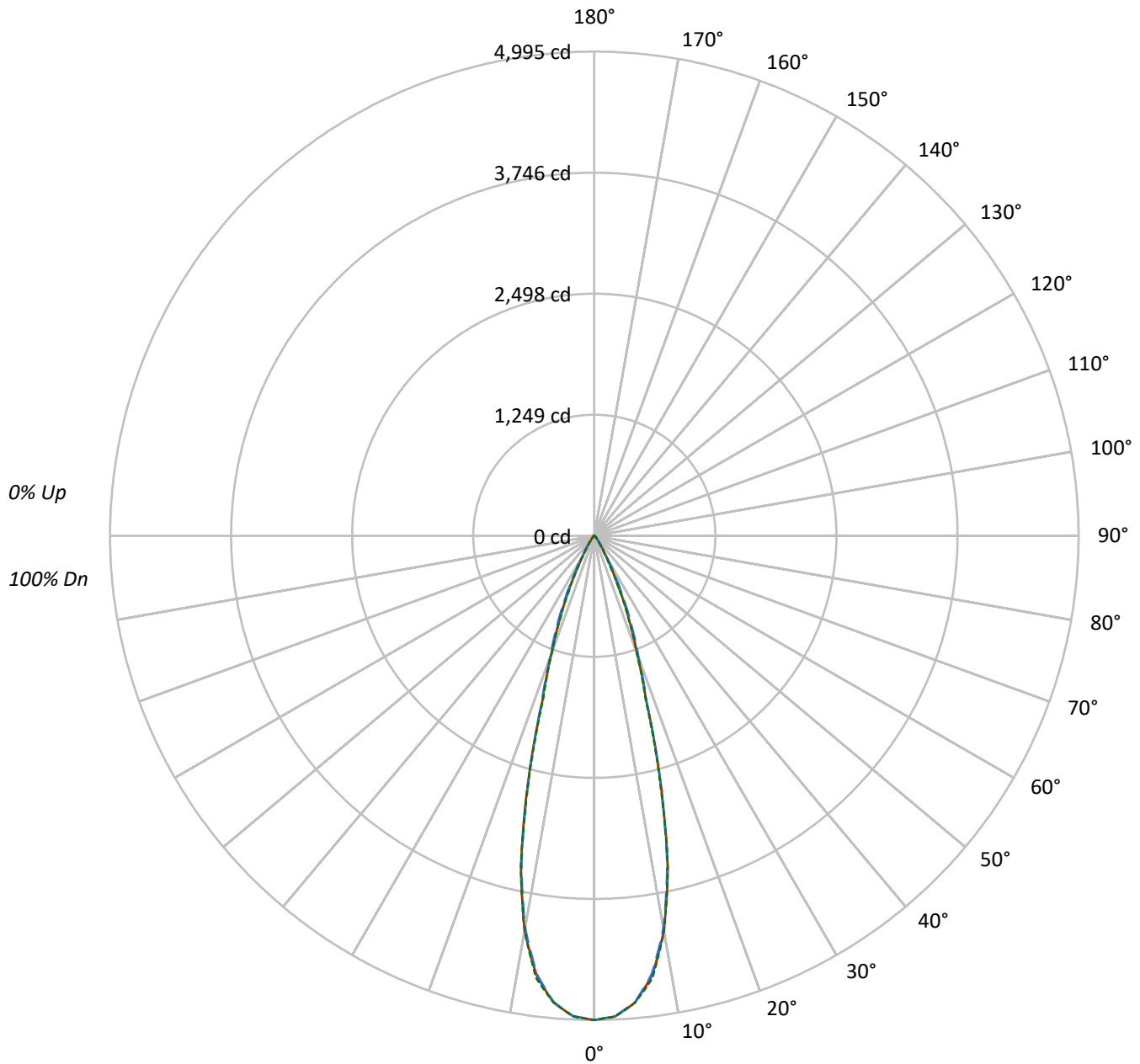
Downlight



TEST NUMBER: P761222

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9040-6LBDP1LI

Luminous Intensity Polar Plot



TEST NUMBER: P761222

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9040-6LBDP1LI

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°	382357	382357	382357
5°	371386	370948	371401
10°	321677	319400	321599
15°	209877	208751	207697
20°	104361	108271	104223
25°	52574	59280	51493
30°	21044	22936	18340
35°	9765	9344	7840
40°	4217	4686	3967
45°	2966	3691	2998
50°	1024	2691	1084
55°	587	1121	614
60°	413	490	413
65°	272	272	272
70°	157	112	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3691 cd/sqm



TEST NUMBER: P761222

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9040-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.3	28.3
10°-20°	707.4	45.5
20°-30°	305.7	19.7
30°-40°	69.7	4.5
40°-50°	23.9	1.5
50°-60°	5.8	0.4
60°-70°	1.5	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°	1452.4	93.5
0°-40°	1522.1	98.0
0°-60°	1551.8	99.9
0°-90°	1553.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1553.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4995	4995	4995	4995	4995	
5°	4834	4829	4828	4838	4834	440
15°	2648	2617	2634	2626	2621	709
25°	622	646	702	630	610	298
35°	104	107	100	99	84	71
45°	27	34	34	34	28	19
55°	4	5	8	5	5	4
65°	2	2	2	2	2	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P761222

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9040-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4995.3	4995.3	4995.3	4995.3	4995.3
2.5°	4962.2	4958.8	4960.7	4963.2	4964.2
5°	4833.5	4828.8	4827.8	4837.9	4833.7
7.5°	4573.7	4567.1	4557.0	4579.8	4601.2
10°	4138.7	4131.3	4109.4	4120.3	4137.7
12.5°	3496.3	3472.5	3472.0	3506.4	3501.7
15°	2648.5	2616.6	2634.3	2625.7	2621.0
17.5°	1781.0	1768.8	1792.3	1785.2	1754.5
20°	1281.2	1284.4	1329.2	1306.7	1279.5
22.5°	934.9	946.5	999.6	941.5	920.2
25°	622.5	646.0	701.9	629.6	609.7
27.5°	382.8	393.6	450.3	377.9	367.1
30°	238.1	232.7	259.5	222.7	207.5
32.5°	156.2	149.4	158.0	141.7	129.5
35°	104.5	106.7	100.0	99.3	83.9
37.5°	65.3	75.1	66.2	70.6	54.0
40°	42.2	54.4	46.9	51.7	39.7
42.5°	34.6	41.9	38.5	41.0	35.3
45°	27.4	34.1	34.1	34.1	27.7
47.5°	15.2	22.8	29.2	23.3	16.2
50°	8.6	11.5	22.6	12.0	9.1
52.5°	5.9	6.6	15.5	6.9	6.1
55°	4.4	4.6	8.4	4.9	4.6
57.5°	3.4	3.7	4.4	3.7	3.4
60°	2.7	2.7	3.2	2.9	2.7
62.5°	1.9	1.9	2.2	1.9	1.9
65°	1.5	1.5	1.5	1.5	1.5
67.5°	0.7	1.0	1.0	1.0	1.0
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	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)