

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: P761210

Luminaire Tested: LD6D15D010-EU6DR300215IC9035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761210
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-EU6DR300215IC9035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1511.7 lumens
Efficiency: N/A
Efficacy: 95.7 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



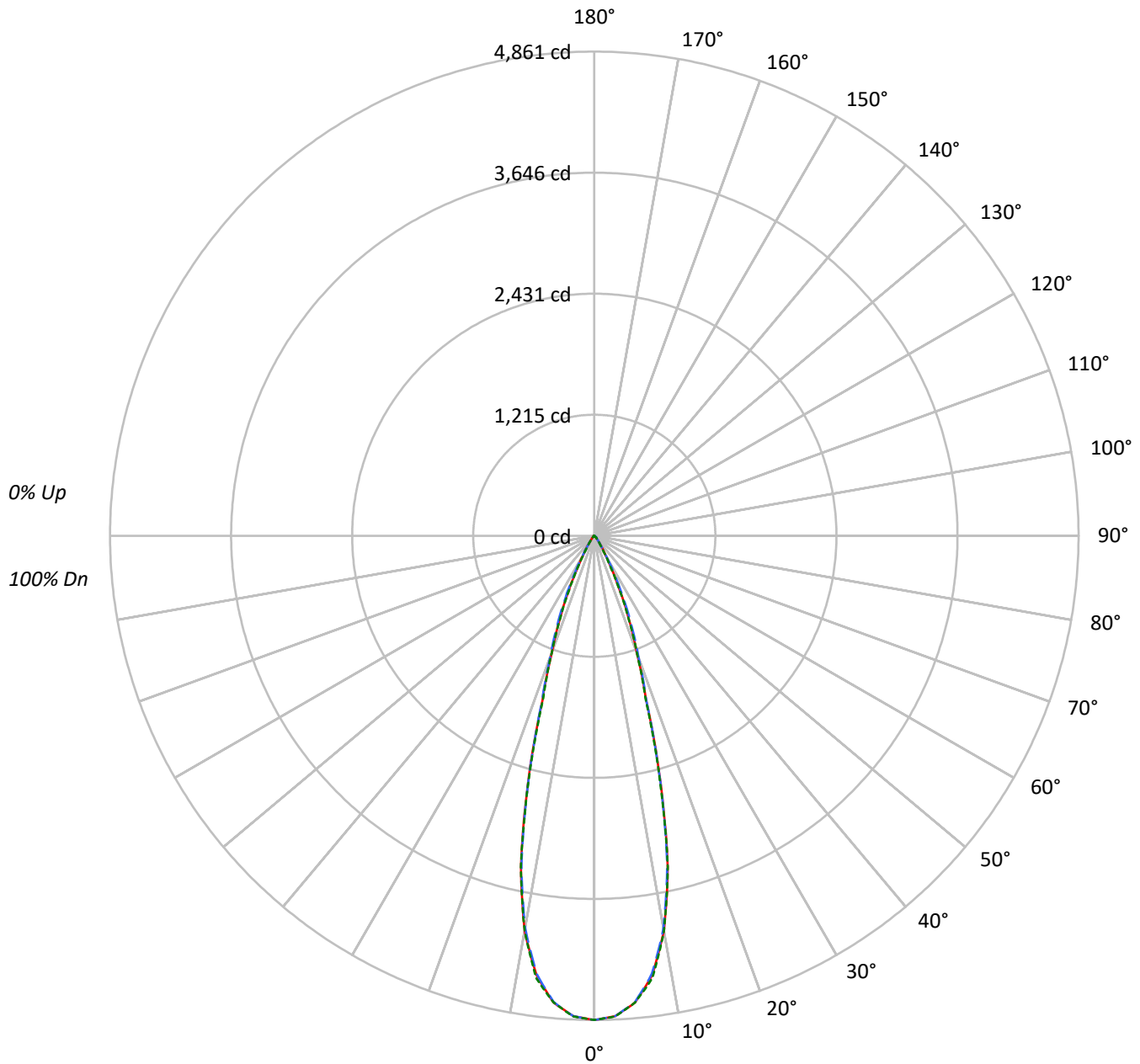
Downlight



TEST NUMBER: P761210

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9035-6LBDP1LI

Luminous Intensity Polar Plot



TEST NUMBER: P761210

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9035-6LBDP1LI

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	86	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°	372070	372070	372070
5°	361389	360967	361405
10°	313019	310811	312949
15°	204226	203133	202111
20°	101551	105363	101421
25°	51155	57684	50108
30°	20488	22317	17845
35°	9494	9092	7625
40°	4097	4556	3867
45°	2901	3594	2923
50°	1000	2608	1048
55°	574	1081	601
60°	398	475	398
65°	254	254	254
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: 3594 cd/sqm



TEST NUMBER: P761210

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9035-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.4	28.3
10°-20°	688.4	45.5
20°-30°	297.5	19.7
30°-40°	67.8	4.5
40°-50°	23.3	1.5
50°-60°	5.7	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°	1413.3	93.5
0°-40°	1481.1	98.0
0°-60°	1510.1	99.9
0°-90°	1511.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1511.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4861	4861	4861	4861	4861	
5°	4703	4699	4698	4708	4704	428
15°	2577	2546	2563	2555	2550	690
25°	606	629	683	613	593	290
35°	102	104	97	97	82	69
45°	27	33	33	33	27	19
55°	4	4	8	5	4	4
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	0

TEST NUMBER: P761210

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9035-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4860.9	4860.9	4860.9	4860.9	4860.9
2.5°	4828.7	4825.3	4827.3	4829.6	4830.6
5°	4703.4	4698.9	4697.9	4707.7	4703.6
7.5°	4450.7	4444.2	4434.4	4456.6	4477.4
10°	4027.3	4020.1	3998.9	4009.4	4026.4
12.5°	3402.2	3379.1	3378.6	3412.0	3407.5
15°	2577.2	2546.2	2563.4	2555.0	2550.5
17.5°	1733.1	1721.2	1744.1	1737.2	1707.3
20°	1246.7	1249.8	1293.5	1271.5	1245.1
22.5°	909.7	921.0	972.8	916.2	895.4
25°	605.7	628.6	683.0	612.6	593.3
27.5°	372.5	383.0	438.2	367.8	357.3
30°	231.8	226.5	252.5	216.7	201.9
32.5°	152.0	145.4	153.7	138.0	126.0
35°	101.6	103.8	97.3	96.7	81.6
37.5°	63.5	73.1	64.5	68.8	52.5
40°	41.0	53.0	45.6	50.4	38.7
42.5°	33.6	40.8	37.5	39.9	34.4
45°	26.8	33.2	33.2	33.2	27.0
47.5°	14.8	22.2	28.4	22.7	15.8
50°	8.4	11.2	21.9	11.7	8.8
52.5°	5.7	6.4	15.0	6.7	6.0
55°	4.3	4.5	8.1	4.8	4.5
57.5°	3.3	3.6	4.3	3.6	3.3
60°	2.6	2.6	3.1	2.9	2.6
62.5°	1.9	1.9	2.1	1.9	1.9
65°	1.4	1.4	1.4	1.4	1.4
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

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°







(END OF REPORT)