

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: P761234

Luminaire Tested: LD6D15D010-EU6DR300215IC9050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761234
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-EU6DR300215IC9050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1462.1 lumens
Efficiency: N/A
Efficacy: 92.5 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



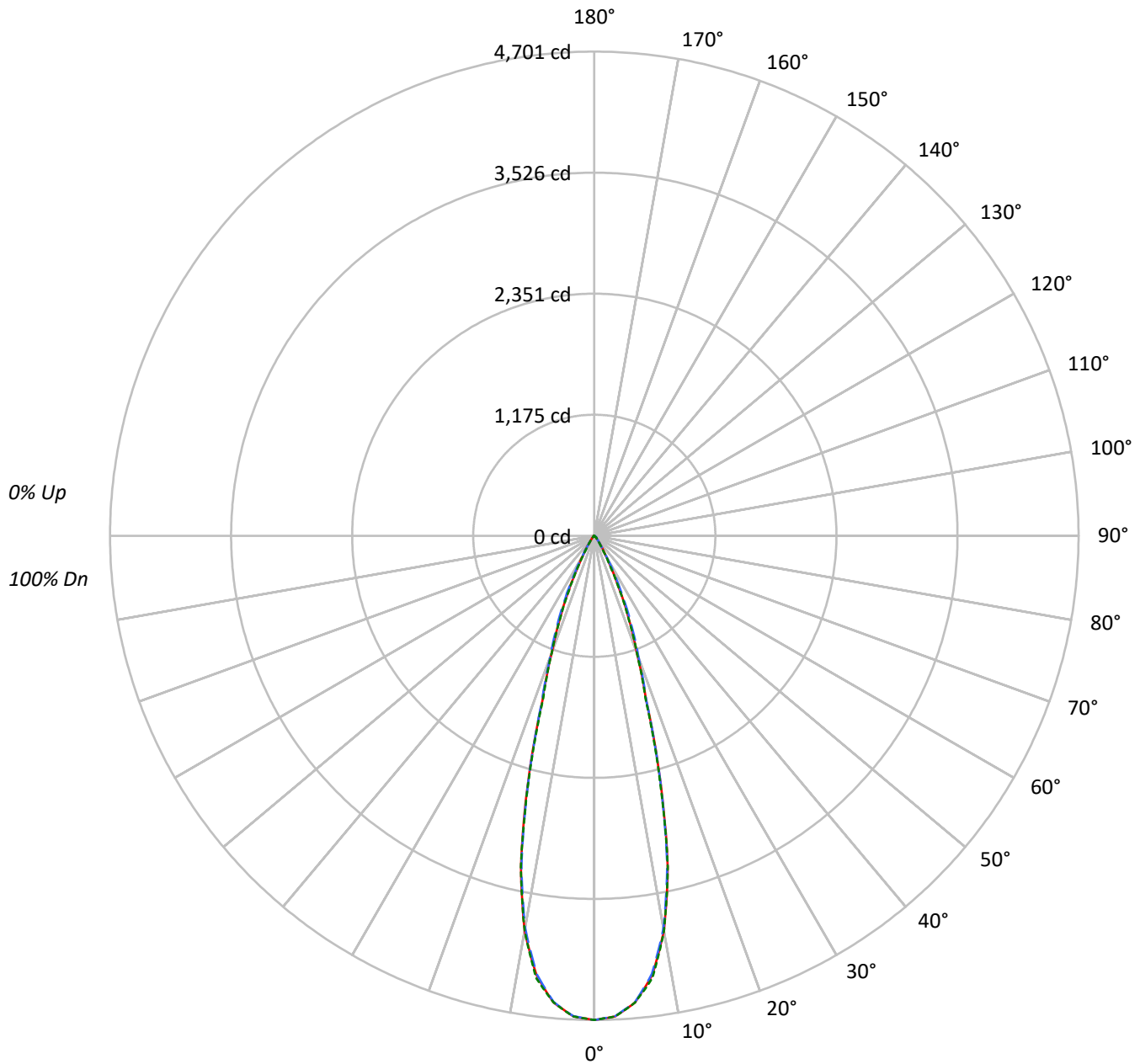
Downlight



TEST NUMBER: P761234

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9050-6LBDP1H

Luminous Intensity Polar Plot





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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	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°	359853	359853	359853
5°	349526	349119	349541
10°	302744	300606	302674
15°	197522	196461	195478
20°	98219	101901	98089
25°	49474	55792	48461
30°	19807	21584	17262
35°	9185	8802	7382
40°	3967	4406	3737
45°	2793	3475	2825
50°	965	2536	1012
55°	560	1041	587
60°	383	459	383
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: 3475 cd/sqm

TEST NUMBER: P761234

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9050-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.4	28.3
10°-20°	665.8	45.5
20°-30°	287.7	19.7
30°-40°	65.6	4.5
40°-50°	22.5	1.5
50°-60°	5.5	0.4
60°-70°	1.4	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°	1366.9	93.5
0°-40°	1432.5	98.0
0°-60°	1460.5	99.9
0°-90°	1462.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1462.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4701	4701	4701	4701	4701	
5°	4549	4545	4544	4553	4549	414
15°	2493	2463	2479	2471	2467	667
25°	586	608	661	592	574	280
35°	98	100	94	94	79	67
45°	26	32	32	32	26	18
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4701.3	4701.3	4701.3	4701.3	4701.3
2.5°	4670.2	4667.0	4668.8	4671.1	4672.0
5°	4549.0	4544.6	4543.7	4553.1	4549.2
7.5°	4304.6	4298.3	4288.9	4310.3	4330.4
10°	3895.1	3888.2	3867.6	3877.8	3894.2
12.5°	3290.6	3268.2	3267.7	3300.0	3295.7
15°	2492.6	2462.6	2479.2	2471.1	2466.8
17.5°	1676.2	1664.7	1686.8	1680.1	1651.3
20°	1205.8	1208.8	1251.0	1229.8	1204.2
22.5°	879.9	890.7	940.8	886.1	866.0
25°	585.8	608.0	660.6	592.5	573.8
27.5°	360.3	370.5	423.8	355.7	345.5
30°	224.1	219.0	244.2	209.6	195.3
32.5°	147.0	140.5	148.6	133.4	121.9
35°	98.3	100.4	94.2	93.5	79.0
37.5°	61.4	70.6	62.3	66.5	50.8
40°	39.7	51.2	44.1	48.7	37.4
42.5°	32.5	39.5	36.2	38.6	33.2
45°	25.8	32.1	32.1	32.1	26.1
47.5°	14.3	21.5	27.4	21.9	15.2
50°	8.1	10.8	21.3	11.3	8.5
52.5°	5.6	6.2	14.6	6.5	5.8
55°	4.2	4.4	7.8	4.6	4.4
57.5°	3.2	3.4	4.2	3.4	3.2
60°	2.5	2.5	3.0	2.8	2.5
62.5°	1.8	1.8	2.1	1.8	1.8
65°	1.4	1.4	1.4	1.4	1.4
67.5°	0.7	0.9	0.9	0.9	0.9
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)