

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: P761221

Luminaire Tested: LD6D15D010-EU6DR300215IC9040-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761221
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-EU6DR300215IC9040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 1479.6 lumens
Efficiency: N/A
Efficacy: 93.6 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 (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



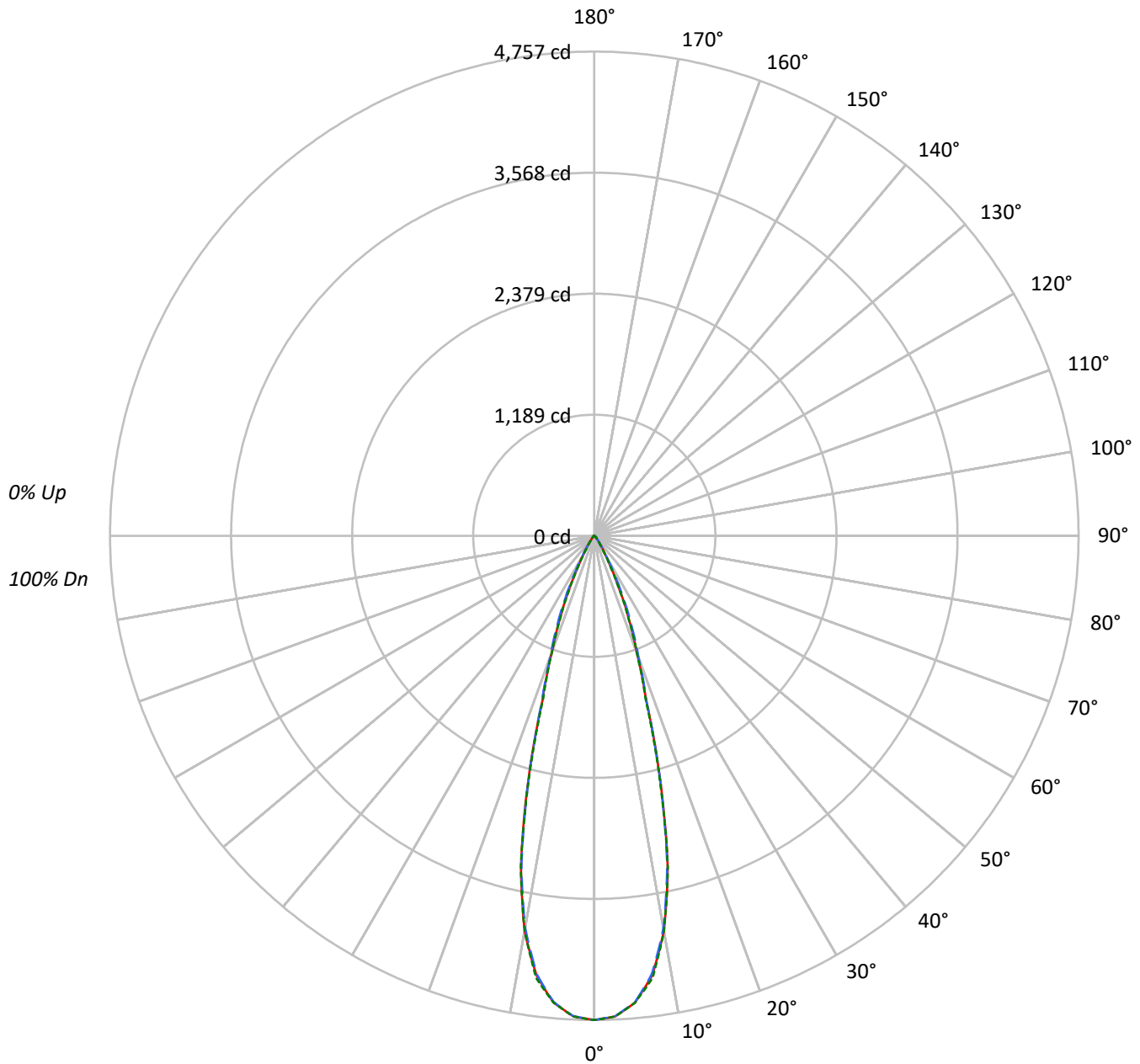
Downlight



TEST NUMBER: P761221

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9040-6LBDP1H

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
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°	364148	364148	364148
5°	353698	353283	353714
10°	306358	304197	306280
15°	199884	198806	197808
20°	99392	103123	99262
25°	50066	56459	49044
30°	20046	21840	17465
35°	9298	8905	7466
40°	4017	4456	3777
45°	2836	3518	2858
50°	976	2560	1036
55°	560	1068	587
60°	398	459	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: 3518 cd/sqm



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CATALOG NUMBER: LD6D15D010-EU6DR300215IC9040-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.3	28.3
10°-20°	673.7	45.5
20°-30°	291.2	19.7
30°-40°	66.4	4.5
40°-50°	22.8	1.5
50°-60°	5.6	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°	1383.2	93.5
0°-40°	1449.6	98.0
0°-60°	1478.0	99.9
0°-90°	1479.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1479.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4757	4757	4757	4757	4757	
5°	4603	4599	4598	4608	4604	419
15°	2522	2492	2509	2501	2496	675
25°	593	615	668	600	581	284
35°	100	102	95	95	80	67
45°	26	32	32	32	26	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4757.4	4757.4	4757.4	4757.4	4757.4
2.5°	4725.9	4722.7	4724.5	4726.8	4727.8
5°	4603.3	4598.8	4597.9	4607.5	4603.5
7.5°	4355.9	4349.6	4340.0	4361.8	4382.1
10°	3941.6	3934.6	3913.8	3924.0	3940.6
12.5°	3329.8	3307.2	3306.7	3339.4	3335.0
15°	2522.4	2492.0	2508.8	2500.6	2496.2
17.5°	1696.2	1684.5	1706.9	1700.2	1671.0
20°	1220.2	1223.2	1266.0	1244.5	1218.6
22.5°	890.4	901.4	952.1	896.7	876.4
25°	592.8	615.2	668.5	599.6	580.7
27.5°	364.6	374.9	428.9	359.9	349.7
30°	226.8	221.7	247.1	212.1	197.6
32.5°	148.8	142.3	150.4	135.0	123.3
35°	99.5	101.6	95.3	94.6	79.9
37.5°	62.1	71.4	63.1	67.3	51.4
40°	40.2	51.9	44.6	49.3	37.8
42.5°	32.9	39.9	36.7	39.0	33.6
45°	26.2	32.5	32.5	32.5	26.4
47.5°	14.5	21.7	27.8	22.2	15.4
50°	8.2	11.0	21.5	11.5	8.7
52.5°	5.6	6.3	14.7	6.5	5.8
55°	4.2	4.4	8.0	4.7	4.4
57.5°	3.3	3.5	4.2	3.5	3.3
60°	2.6	2.6	3.0	2.8	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	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)