

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: P761235

Luminaire Tested: LD6D15D010-EU6DR300215IC9050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761235
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-EU6DR300215IC9050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 1535.2 lumens
Efficiency: N/A
Efficacy: 97.2 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



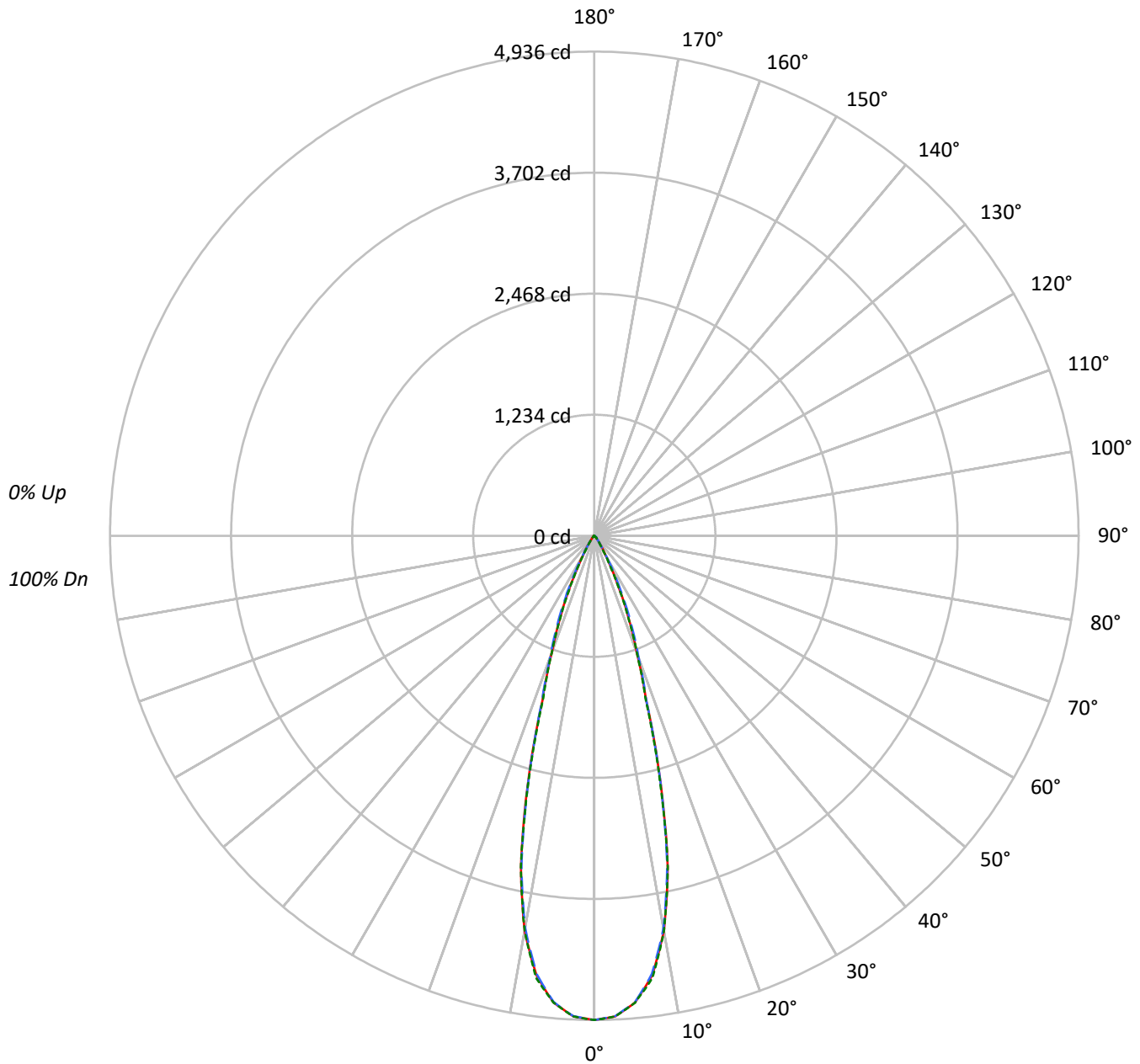
Downlight



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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°	377849	377849	377849
5°	367006	366568	367021
10°	317876	315638	317806
15°	207396	206287	205249
20°	103131	107000	102993
25°	51949	58579	50885
30°	20797	22662	18128
35°	9643	9241	7746
40°	4167	4626	3917
45°	2944	3648	2966
50°	1012	2655	1072
55°	587	1108	614
60°	413	490	413
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: 3648 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.1	28.3
10°-20°	699.1	45.5
20°-30°	302.1	19.7
30°-40°	68.8	4.5
40°-50°	23.6	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°	1435.3	93.5
0°-40°	1504.1	98.0
0°-60°	1533.5	99.9
0°-90°	1535.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1535.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4936	4936	4936	4936	4936	
5°	4776	4772	4771	4781	4777	434
15°	2617	2586	2603	2595	2590	701
25°	615	638	694	622	602	294
35°	103	105	99	98	83	70
45°	27	34	34	34	27	19
55°	4	5	8	5	5	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

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4936.4	4936.4	4936.4	4936.4	4936.4
2.5°	4903.7	4900.3	4902.2	4904.6	4905.6
5°	4776.5	4771.8	4770.8	4780.8	4776.7
7.5°	4519.8	4513.2	4503.3	4525.9	4546.9
10°	4089.8	4082.6	4061.0	4071.7	4088.9
12.5°	3455.1	3431.6	3431.1	3465.0	3460.5
15°	2617.2	2585.7	2603.2	2594.7	2590.1
17.5°	1760.0	1747.9	1771.2	1764.2	1733.9
20°	1266.1	1269.3	1313.6	1291.3	1264.4
22.5°	923.9	935.3	987.9	930.4	909.3
25°	615.1	638.4	693.6	622.2	602.5
27.5°	378.3	389.0	445.0	373.5	362.8
30°	235.3	230.0	256.4	220.1	205.1
32.5°	154.4	147.6	156.1	140.1	127.9
35°	103.2	105.4	98.9	98.1	82.9
37.5°	64.5	74.1	65.4	69.8	53.3
40°	41.7	53.8	46.3	51.2	39.2
42.5°	34.1	41.4	38.0	40.5	34.9
45°	27.2	33.7	33.7	33.7	27.4
47.5°	15.0	22.5	28.8	23.0	16.0
50°	8.5	11.4	22.3	11.9	9.0
52.5°	5.8	6.5	15.2	6.8	6.1
55°	4.4	4.6	8.3	4.9	4.6
57.5°	3.4	3.6	4.4	3.6	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°	1.4	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





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)