

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: P761239

Luminaire Tested: LD6D15D010-EU6DR300215IC9050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761239
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-EU6DR300215IC9050-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 1616.0 lumens
Efficiency: N/A
Efficacy: 102.3 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 (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



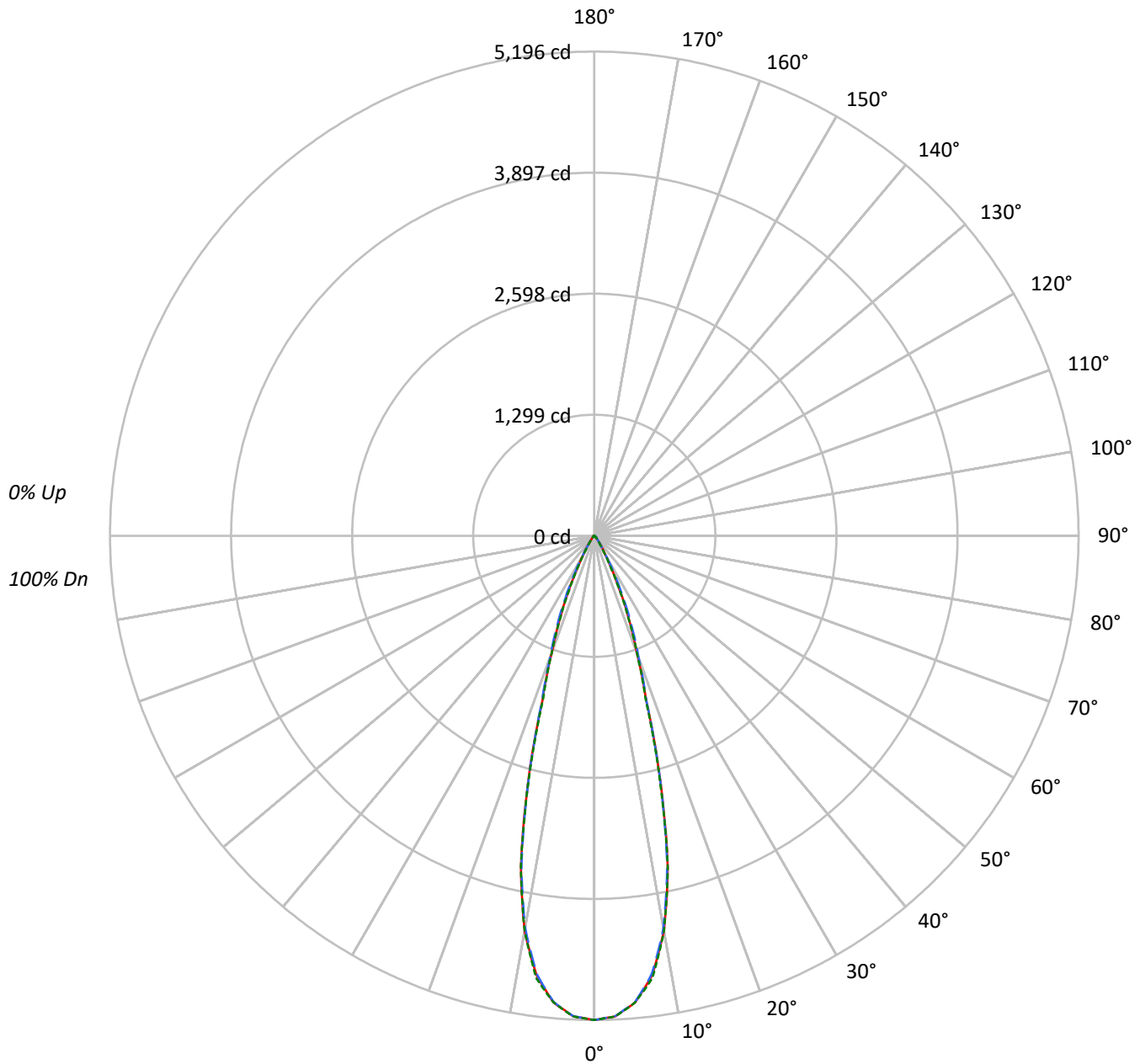
Downlight



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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	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°	397735	397735	397735
5°	386315	385869	386338
10°	334610	332248	334533
15°	218316	217143	216050
20°	108556	112637	108418
25°	54685	61670	53562
30°	21893	23855	19073
35°	10157	9727	8158
40°	4387	4866	4127
45°	3096	3843	3118
50°	1060	2798	1131
55°	614	1161	654
60°	429	505	429
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: 3843 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.9	28.3
10°-20°	735.9	45.5
20°-30°	318.0	19.7
30°-40°	72.5	4.5
40°-50°	24.9	1.5
50°-60°	6.1	0.4
60°-70°	1.6	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°	1510.8	93.5
0°-40°	1583.3	98.0
0°-60°	1614.3	99.9
0°-90°	1616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5196	5196	5196	5196	5196	
5°	5028	5023	5022	5032	5028	457
15°	2755	2722	2740	2731	2726	738
25°	648	672	730	655	634	310
35°	109	111	104	103	87	74
45°	29	36	36	36	29	20
55°	5	5	9	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5196.2	5196.2	5196.2	5196.2	5196.2
2.5°	5161.8	5158.2	5160.2	5162.8	5163.8
5°	5027.8	5023.0	5022.0	5032.5	5028.1
7.5°	4757.7	4750.8	4740.3	4764.0	4786.3
10°	4305.1	4297.4	4274.7	4286.0	4304.1
12.5°	3636.9	3612.2	3611.7	3647.4	3642.5
15°	2755.0	2721.9	2740.2	2731.3	2726.4
17.5°	1852.6	1839.9	1864.4	1857.0	1825.1
20°	1332.7	1336.1	1382.8	1359.3	1331.0
22.5°	972.5	984.5	1039.8	979.4	957.2
25°	647.5	672.0	730.2	654.9	634.2
27.5°	398.3	409.5	468.4	393.2	381.9
30°	247.7	242.1	269.9	231.6	215.8
32.5°	162.5	155.4	164.3	147.5	134.7
35°	108.7	111.0	104.1	103.3	87.3
37.5°	67.8	78.1	68.9	73.5	56.1
40°	43.9	56.6	48.7	53.9	41.3
42.5°	36.0	43.6	40.0	42.6	36.7
45°	28.6	35.5	35.5	35.5	28.8
47.5°	15.8	23.7	30.4	24.2	16.8
50°	8.9	12.0	23.5	12.5	9.5
52.5°	6.1	6.9	16.1	7.2	6.4
55°	4.6	4.9	8.7	5.1	4.9
57.5°	3.6	3.8	4.6	3.8	3.6
60°	2.8	2.8	3.3	3.0	2.8
62.5°	2.1	2.1	2.3	2.1	2.1
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



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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)