

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: P761220

Luminaire Tested: LD6D15D010-EU6DR300215IC9040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761220
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-EU6DR300215IC9040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1191.2 lumens
Efficiency: N/A
Efficacy: 75.4 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



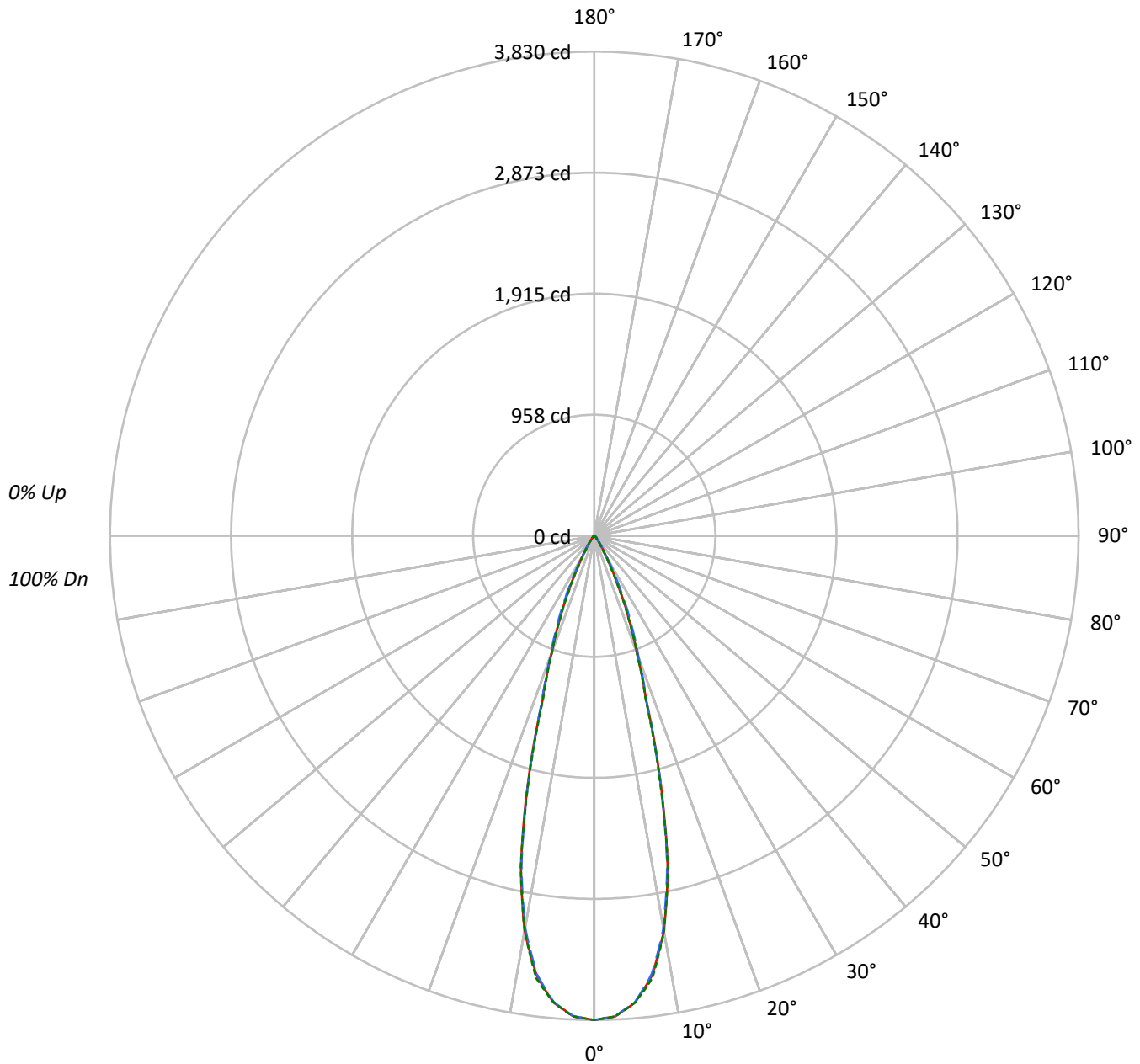
Downlight



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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					0
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°	293177	293177	293177
5°	284761	284423	284769
10°	246642	244901	246588
15°	160928	160056	159256
20°	80022	83020	79916
25°	40311	45454	39483
30°	16139	17580	14062
35°	7485	7167	6008
40°	3237	3587	3048
45°	2284	2825	2306
50°	786	2060	822
55°	454	854	480
60°	321	383	321
65°	199	199	199
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2825 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.8	28.3
10°-20°	542.4	45.5
20°-30°	234.4	19.7
30°-40°	53.4	4.5
40°-50°	18.3	1.5
50°-60°	4.5	0.4
60°-70°	1.1	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°	1113.6	93.5
0°-40°	1167.0	98.0
0°-60°	1189.9	99.9
0°-90°	1191.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1191.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3830	3830	3830	3830	3830	
5°	3706	3702	3702	3710	3706	337
15°	2031	2006	2020	2013	2010	544
25°	477	495	538	483	468	228
35°	80	82	77	76	64	54
45°	21	26	26	26	21	15
55°	3	4	6	4	4	3
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°	3830.2	3830.2	3830.2	3830.2	3830.2
2.5°	3804.8	3802.2	3803.6	3805.5	3806.3
5°	3706.1	3702.5	3701.7	3709.5	3706.2
7.5°	3506.9	3501.8	3494.1	3511.6	3528.0
10°	3173.3	3167.7	3150.9	3159.2	3172.6
12.5°	2680.8	2662.6	2662.2	2688.5	2685.0
15°	2030.8	2006.3	2019.8	2013.2	2009.7
17.5°	1365.6	1356.2	1374.3	1368.8	1345.3
20°	982.4	984.8	1019.2	1001.9	981.1
22.5°	716.8	725.7	766.5	721.9	705.5
25°	477.3	495.3	538.2	482.7	467.5
27.5°	293.5	301.8	345.3	289.8	281.5
30°	182.6	178.5	198.9	170.7	159.1
32.5°	119.8	114.5	121.1	108.7	99.3
35°	80.1	81.8	76.7	76.1	64.3
37.5°	50.0	57.5	50.8	54.1	41.4
40°	32.4	41.8	35.9	39.7	30.5
42.5°	26.5	32.1	29.5	31.4	27.1
45°	21.1	26.1	26.1	26.1	21.3
47.5°	11.6	17.5	22.4	17.9	12.4
50°	6.6	8.8	17.3	9.2	6.9
52.5°	4.5	5.1	11.9	5.3	4.7
55°	3.4	3.6	6.4	3.8	3.6
57.5°	2.6	2.8	3.4	2.8	2.6
60°	2.1	2.1	2.5	2.2	2.1
62.5°	1.5	1.5	1.7	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.6	0.7	0.7	0.7	0.7
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	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)