

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: P761233

Luminaire Tested: LD6D15D010-EU6DR300215IC9050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761233
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-EU6DR300215IC9050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1177.1 lumens
Efficiency: N/A
Efficacy: 74.5 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



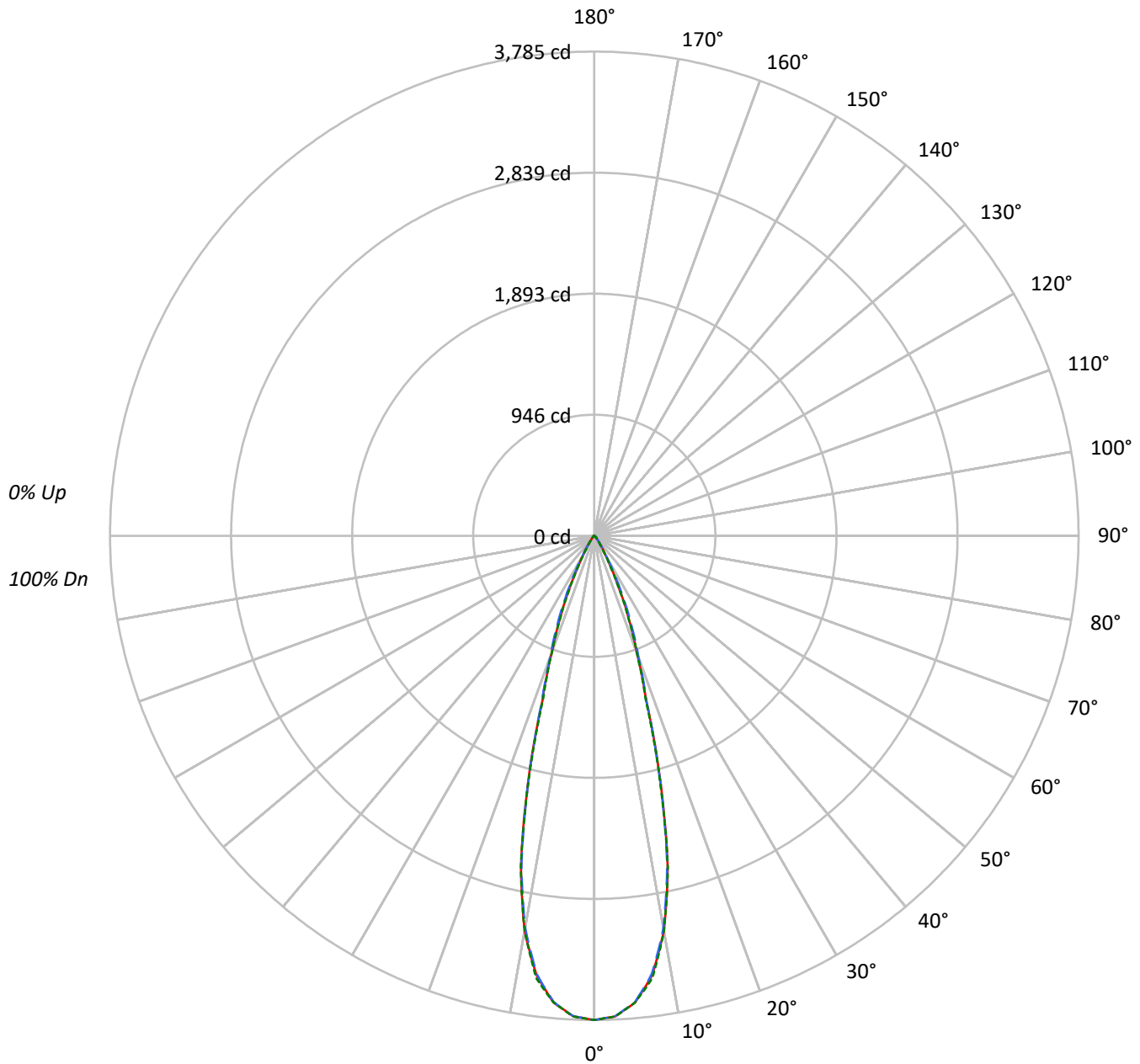
Downlight



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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°	289717	289717	289717
5°	281403	281073	281411
10°	243735	242018	243681
15°	159026	158170	157378
20°	79077	82042	78971
25°	39838	44922	39019
30°	15945	17376	13894
35°	7401	7083	5934
40°	3197	3547	3008
45°	2252	2793	2273
50°	774	2036	822
55°	440	841	480
60°	321	367	321
65°	199	199	199
70°	134	67	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: 2793 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.8	28.3
10°-20°	536.0	45.5
20°-30°	231.6	19.7
30°-40°	52.8	4.5
40°-50°	18.1	1.5
50°-60°	4.4	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°	1100.5	93.5
0°-40°	1153.3	98.0
0°-60°	1175.9	99.9
0°-90°	1177.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1177.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3785	3785	3785	3785	3785	
5°	3662	3659	3658	3666	3662	333
15°	2007	1983	1996	1990	1986	537
25°	472	490	532	477	462	226
35°	79	81	76	75	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°	3785.0	3785.0	3785.0	3785.0	3785.0
2.5°	3759.9	3757.3	3758.8	3760.7	3761.4
5°	3662.4	3658.8	3658.1	3665.7	3662.5
7.5°	3465.6	3460.6	3452.9	3470.2	3486.4
10°	3135.9	3130.3	3113.8	3122.0	3135.2
12.5°	2649.2	2631.2	2630.8	2656.8	2653.3
15°	2006.8	1982.6	1996.0	1989.5	1986.0
17.5°	1349.5	1340.2	1358.1	1352.7	1329.4
20°	970.8	973.2	1007.2	990.1	969.5
22.5°	708.4	717.1	757.4	713.4	697.2
25°	471.7	489.5	531.9	477.0	462.0
27.5°	290.1	298.3	341.2	286.4	278.2
30°	180.4	176.4	196.6	168.7	157.2
32.5°	118.4	113.2	119.7	107.4	98.1
35°	79.2	80.8	75.8	75.3	63.5
37.5°	49.4	56.8	50.2	53.5	40.9
40°	32.0	41.3	35.5	39.2	30.1
42.5°	26.2	31.8	29.2	31.1	26.8
45°	20.8	25.8	25.8	25.8	21.0
47.5°	11.5	17.3	22.1	17.6	12.3
50°	6.5	8.7	17.1	9.1	6.9
52.5°	4.5	5.0	11.7	5.2	4.6
55°	3.3	3.6	6.3	3.7	3.6
57.5°	2.6	2.8	3.3	2.8	2.6
60°	2.1	2.1	2.4	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	0.3	0.3	0.3	0.6
72.5°	0.3	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)