

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: P761170

Luminaire Tested: LD6D15D010-EU6DR300215IC9024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761170
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-EU6DR300215IC9024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 957.9 lumens
Efficiency: N/A
Efficacy: 60.6 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



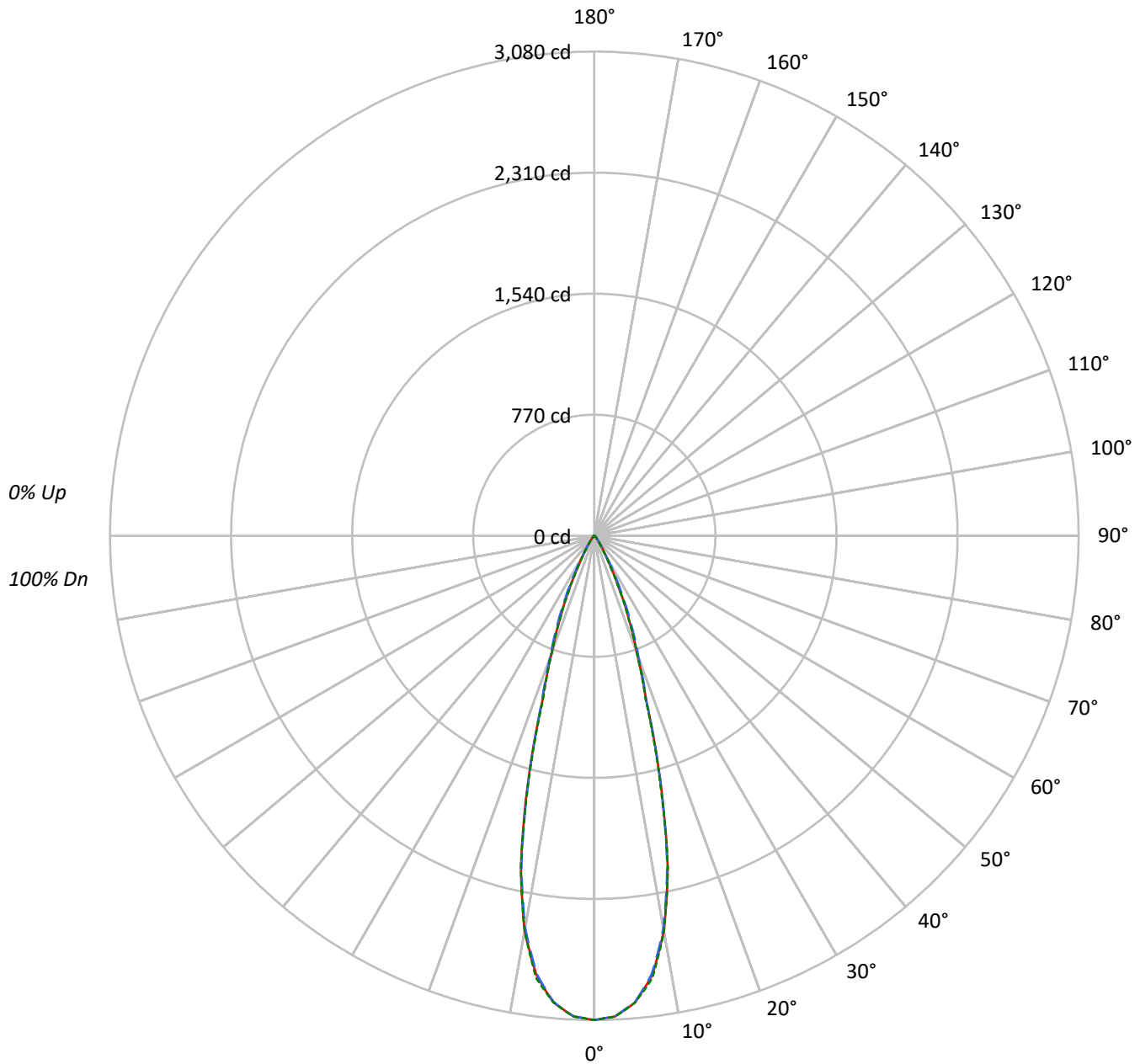
Downlight



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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°	235769	235769	235769
5°	229001	228732	229009
10°	198344	196945	198298
15°	129413	128715	128073
20°	64350	66769	64269
25°	32414	36553	31756
30°	12975	14142	11304
35°	6018	5765	4831
40°	2598	2888	2448
45°	1840	2273	1851
50°	631	1655	667
55°	374	694	387
60°	260	291	260
65°	163	163	163
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2273 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.9	28.3
10°-20°	436.2	45.5
20°-30°	188.5	19.7
30°-40°	43.0	4.5
40°-50°	14.7	1.5
50°-60°	3.6	0.4
60°-70°	0.9	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°	895.6	93.5
0°-40°	938.5	98.0
0°-60°	956.9	99.9
0°-90°	957.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	957.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3080	3080	3080	3080	3080	
5°	2980	2978	2977	2983	2980	271
15°	1633	1613	1624	1619	1616	437
25°	384	398	433	388	376	184
35°	64	66	62	61	52	44
45°	17	21	21	21	17	12
55°	3	3	5	3	3	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°	3080.2	3080.2	3080.2	3080.2	3080.2
2.5°	3059.8	3057.7	3058.9	3060.4	3061.0
5°	2980.4	2977.5	2976.9	2983.1	2980.5
7.5°	2820.2	2816.1	2809.9	2824.0	2837.1
10°	2551.9	2547.4	2533.9	2540.6	2551.3
12.5°	2155.9	2141.2	2140.9	2162.1	2159.2
15°	1633.1	1613.4	1624.3	1619.0	1616.2
17.5°	1098.2	1090.7	1105.2	1100.8	1081.8
20°	790.0	792.0	819.7	805.7	789.0
22.5°	576.4	583.6	616.4	580.6	567.4
25°	383.8	398.3	432.8	388.2	376.0
27.5°	236.1	242.7	277.7	233.0	226.4
30°	146.8	143.5	160.0	137.3	127.9
32.5°	96.3	92.1	97.4	87.4	79.9
35°	64.4	65.8	61.7	61.2	51.7
37.5°	40.2	46.3	40.9	43.5	33.3
40°	26.0	33.6	28.9	31.9	24.5
42.5°	21.3	25.8	23.7	25.3	21.8
45°	17.0	21.0	21.0	21.0	17.1
47.5°	9.4	14.0	18.0	14.4	10.0
50°	5.3	7.1	13.9	7.4	5.6
52.5°	3.6	4.1	9.5	4.2	3.8
55°	2.8	2.9	5.2	3.0	2.9
57.5°	2.1	2.3	2.8	2.3	2.1
60°	1.7	1.7	1.9	1.8	1.7
62.5°	1.2	1.2	1.4	1.2	1.2
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.5	0.6	0.6	0.6	0.6
70°	0.5	0.3	0.3	0.3	0.5
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)