

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: P774176

Luminaire Tested: LD6D95BD010-EU6DR3070959024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774176
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: LD6D95BD010-EU6DR3070959024-6LBS1B
Description: 6 INCH ROUND SHALLOW 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: 9233.3 lumens
Efficiency: N/A
Efficacy: 93.1 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): 99.2
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

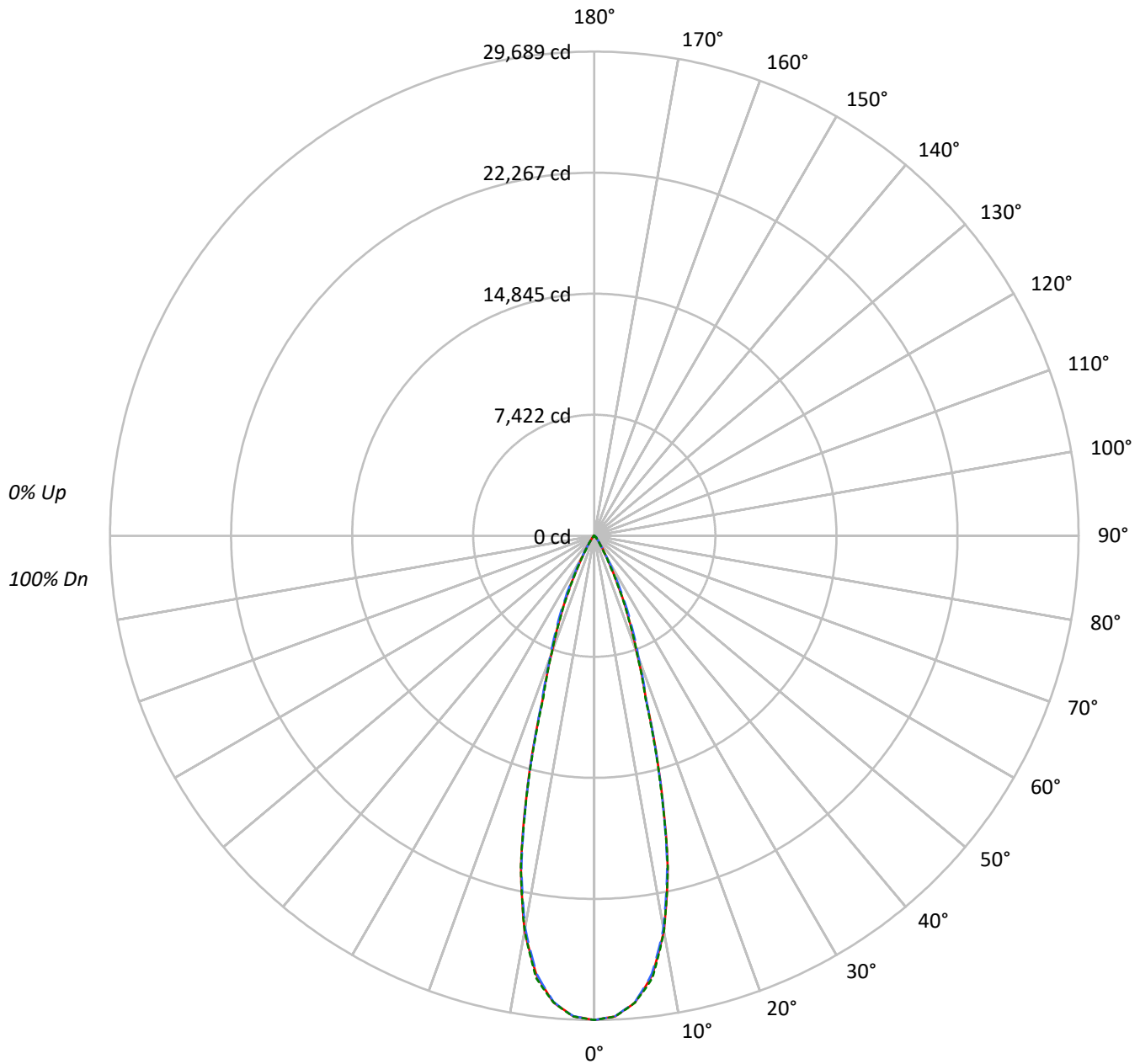


Downlight

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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°	2272527	2272527	2272527
5°	2207292	2204718	2207407
10°	1911852	1898367	1911394
15°	1247389	1240685	1234448
20°	620269	643541	619439
25°	312446	352335	306044
30°	125100	136307	108996
35°	58028	55570	46581
40°	25050	27818	23591
45°	17677	21931	17829
50°	6073	15969	6418
55°	3496	6619	3697
60°	2449	2893	2449
65°	1576	1576	1576
70°	985	649	985
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 21931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2610.7	28.3
10°-20°	4204.6	45.5
20°-30°	1816.9	19.7
30°-40°	414.1	4.5
40°-50°	142.2	1.5
50°-60°	34.7	0.4
60°-70°	9.0	0.1
70°-80°	1.0	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°	8632.3	93.5
0°-40°	9046.4	98.0
0°-60°	9223.3	99.9
0°-90°	9233.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9233.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29689	29689	29689	29689	29689	
5°	28727	28700	28694	28754	28729	2613
15°	15741	15552	15657	15606	15578	4215
25°	3700	3840	4172	3742	3624	1771
35°	621	634	595	590	498	421
45°	163	203	203	203	165	116
55°	26	28	50	29	28	26
65°	9	9	9	9	9	9
75°	0	0	2	0	0	1
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°	29689.4	29689.4	29689.4	29689.4	29689.4
2.5°	29492.7	29472.3	29483.9	29498.5	29504.3
5°	28727.4	28699.7	28693.9	28753.6	28728.9
7.5°	27183.7	27144.4	27084.6	27220.2	27347.0
10°	24597.9	24554.1	24424.4	24488.5	24592.0
12.5°	20780.3	20638.9	20636.0	20840.0	20812.3
15°	15741.2	15551.7	15656.6	15605.6	15577.9
17.5°	10585.5	10512.6	10652.5	10610.2	10428.0
20°	7614.8	7633.7	7900.5	7766.4	7604.6
22.5°	5556.6	5625.1	5941.4	5595.9	5469.1
25°	3699.5	3839.5	4171.8	3741.8	3623.7
27.5°	2275.4	2339.5	2676.2	2246.2	2182.1
30°	1415.4	1383.3	1542.2	1323.5	1233.2
32.5°	928.5	887.7	938.7	842.5	769.6
35°	621.0	634.1	594.7	590.3	498.5
37.5°	387.7	446.0	393.6	419.8	320.7
40°	250.7	323.6	278.4	307.6	236.1
42.5°	205.5	249.3	228.9	243.4	209.9
45°	163.3	202.6	202.6	202.6	164.7
47.5°	90.4	135.6	173.5	138.5	96.2
50°	51.0	68.5	134.1	71.4	53.9
52.5°	35.0	39.4	91.8	40.8	36.4
55°	26.2	27.7	49.6	29.2	27.7
57.5°	20.4	21.9	26.2	21.9	20.4
60°	16.0	16.0	18.9	17.5	16.0
62.5°	11.7	11.7	13.1	11.7	11.7
65°	8.7	8.7	8.7	8.7	8.7
67.5°	4.4	5.8	5.8	5.8	5.8
70°	4.4	2.9	2.9	2.9	4.4
72.5°	2.9	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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)