

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: P756115

Luminaire Tested: LD4D95BD010-EU4DR3070959024-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR3070959024-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7370.9 lumens
Efficiency: N/A
Efficacy: 74.3 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): 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

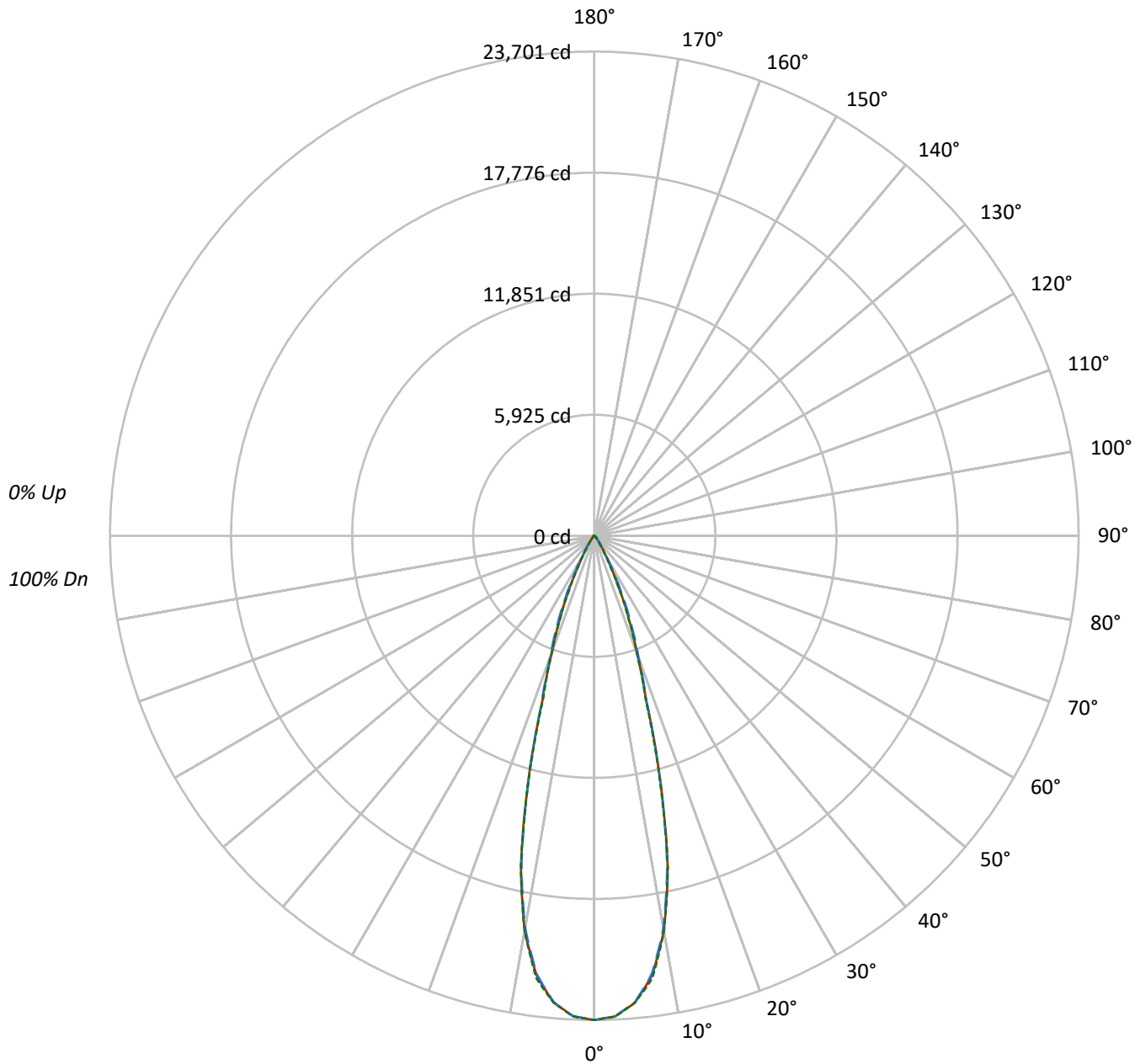


Downlight

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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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	98	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	94	89	86	98	93	89	86	91	88	85		90	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	94	87	82	79	92	86	82	79	85	81	78		84	81	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1814155	1814155	1814155
5°	1762075	1760016	1762159
10°	1526224	1515459	1525858
15°	995782	990433	985457
20°	495153	513733	494494
25°	249425	281265	244315
30°	99866	108810	87006
35°	46319	44366	37190
40°	19994	22212	18835
45°	14105	17504	14235
50°	4847	12754	5132
55°	2789	5285	2949
60°	1960	2312	1960
65°	1268	1268	1268
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 17504 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2084.1	28.3
10°-20°	3356.5	45.5
20°-30°	1450.4	19.7
30°-40°	330.6	4.5
40°-50°	113.5	1.5
50°-60°	27.7	0.4
60°-70°	7.2	0.1
70°-80°	0.8	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°	6891.1	93.5
0°-40°	7221.7	98.0
0°-60°	7362.9	99.9
0°-90°	7370.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7370.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23701	23701	23701	23701	23701	
5°	22933	22911	22906	22954	22934	2086
15°	12566	12415	12499	12458	12436	3365
25°	2953	3065	3330	2987	2893	1414
35°	496	506	475	471	398	336
45°	130	162	162	162	132	92
55°	21	22	40	23	22	20
65°	7	7	7	7	7	7
75°	0	0	1	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°	23701.0	23701.0	23701.0	23701.0	23701.0
2.5°	23543.9	23527.6	23536.9	23548.5	23553.2
5°	22933.0	22910.9	22906.2	22953.9	22934.1
7.5°	21700.7	21669.3	21621.6	21729.8	21831.0
10°	19636.4	19601.5	19497.9	19549.1	19631.7
12.5°	16588.8	16475.9	16473.6	16636.5	16614.4
15°	12566.1	12414.9	12498.6	12457.9	12435.8
17.5°	8450.3	8392.2	8503.9	8470.1	8324.7
20°	6078.8	6094.0	6306.9	6199.9	6070.7
22.5°	4435.8	4490.5	4743.0	4467.2	4366.0
25°	2953.3	3065.0	3330.3	2987.1	2892.8
27.5°	1816.4	1867.6	2136.4	1793.2	1742.0
30°	1129.9	1104.3	1231.1	1056.6	984.4
32.5°	741.2	708.7	749.4	672.6	614.4
35°	495.7	506.2	474.8	471.3	398.0
37.5°	309.5	356.1	314.2	335.1	256.0
40°	200.1	258.3	222.3	245.5	188.5
42.5°	164.1	199.0	182.7	194.3	167.6
45°	130.3	161.7	161.7	161.7	131.5
47.5°	72.1	108.2	138.5	110.5	76.8
50°	40.7	54.7	107.1	57.0	43.1
52.5°	27.9	31.4	73.3	32.6	29.1
55°	20.9	22.1	39.6	23.3	22.1
57.5°	16.3	17.5	20.9	17.5	16.3
60°	12.8	12.8	15.1	14.0	12.8
62.5°	9.3	9.3	10.5	9.3	9.3
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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)