

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: P756111

Luminaire Tested: LD4D95BD010-EU4DR3070959024-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756111
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-EU4DR3070959024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF 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: 6571.4 lumens
Efficiency: N/A
Efficacy: 66.2 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 (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

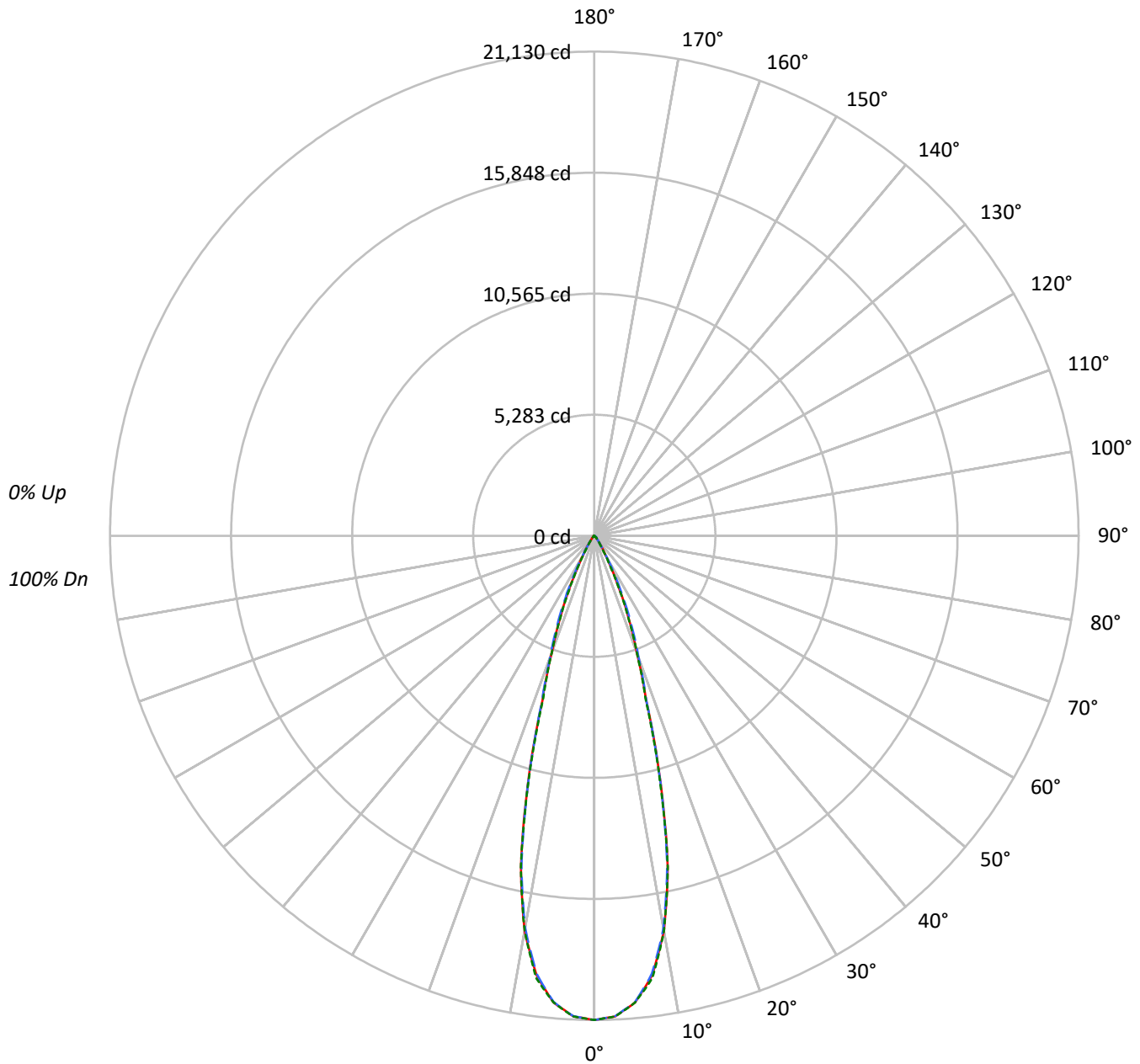


Downlight

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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				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°	1617385	1617385	1617385
5°	1570954	1569125	1571038
10°	1360687	1351088	1360360
15°	887781	883011	878573
20°	441450	458018	440863
25°	222373	250759	217813
30°	89030	97011	77575
35°	41292	39554	33153
40°	17826	19794	16797
45°	12578	15609	12687
50°	4323	11360	4573
55°	2496	4711	2629
60°	1745	2067	1745
65°	1123	1123	1123
70°	694	470	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1858.1	28.3
10°-20°	2992.5	45.5
20°-30°	1293.1	19.7
30°-40°	294.7	4.5
40°-50°	101.2	1.5
50°-60°	24.7	0.4
60°-70°	6.4	0.1
70°-80°	0.7	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°	6143.7	93.5
0°-40°	6438.4	98.0
0°-60°	6564.4	99.9
0°-90°	6571.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6571.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21130	21130	21130	21130	21130	
5°	20446	20426	20422	20464	20447	1860
15°	11203	11068	11143	11107	11087	3000
25°	2633	2733	2969	2663	2579	1260
35°	442	451	423	420	355	300
45°	116	144	144	144	117	82
55°	19	20	35	21	20	18
65°	6	6	6	6	6	6
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°	21130.3	21130.3	21130.3	21130.3	21130.3
2.5°	20990.3	20975.8	20984.1	20994.4	20998.6
5°	20445.6	20425.9	20421.8	20464.3	20446.7
7.5°	19347.0	19319.0	19276.4	19372.9	19463.2
10°	17506.6	17475.5	17383.1	17428.8	17502.4
12.5°	14789.6	14688.9	14686.9	14832.1	14812.4
15°	11203.2	11068.3	11143.0	11106.7	11087.0
17.5°	7533.8	7481.9	7581.5	7551.4	7421.8
20°	5419.5	5433.0	5622.9	5527.4	5412.3
22.5°	3954.7	4003.4	4228.6	3982.7	3892.4
25°	2633.0	2732.6	2969.1	2663.1	2579.0
27.5°	1619.4	1665.1	1904.7	1598.7	1553.0
30°	1007.3	984.5	1097.6	942.0	877.7
32.5°	660.8	631.8	668.1	599.6	547.8
35°	441.9	451.3	423.3	420.2	354.8
37.5°	276.0	317.5	280.1	298.8	228.2
40°	178.4	230.3	198.1	218.9	168.1
42.5°	146.3	177.4	162.9	173.3	149.4
45°	116.2	144.2	144.2	144.2	117.2
47.5°	64.3	96.5	123.5	98.6	68.5
50°	36.3	48.8	95.4	50.8	38.4
52.5°	24.9	28.0	65.4	29.0	25.9
55°	18.7	19.7	35.3	20.7	19.7
57.5°	14.5	15.6	18.7	15.6	14.5
60°	11.4	11.4	13.5	12.4	11.4
62.5°	8.3	8.3	9.3	8.3	8.3
65°	6.2	6.2	6.2	6.2	6.2
67.5°	3.1	4.1	4.1	4.1	4.1
70°	3.1	2.1	2.1	2.1	3.1
72.5°	2.1	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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)