

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: P756122

Luminaire Tested: LD4D95BD010-EU4DR3070959027-4LBDP1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756122
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-EU4DR3070959027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8344.7 lumens
Efficiency: N/A
Efficacy: 84.1 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 (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

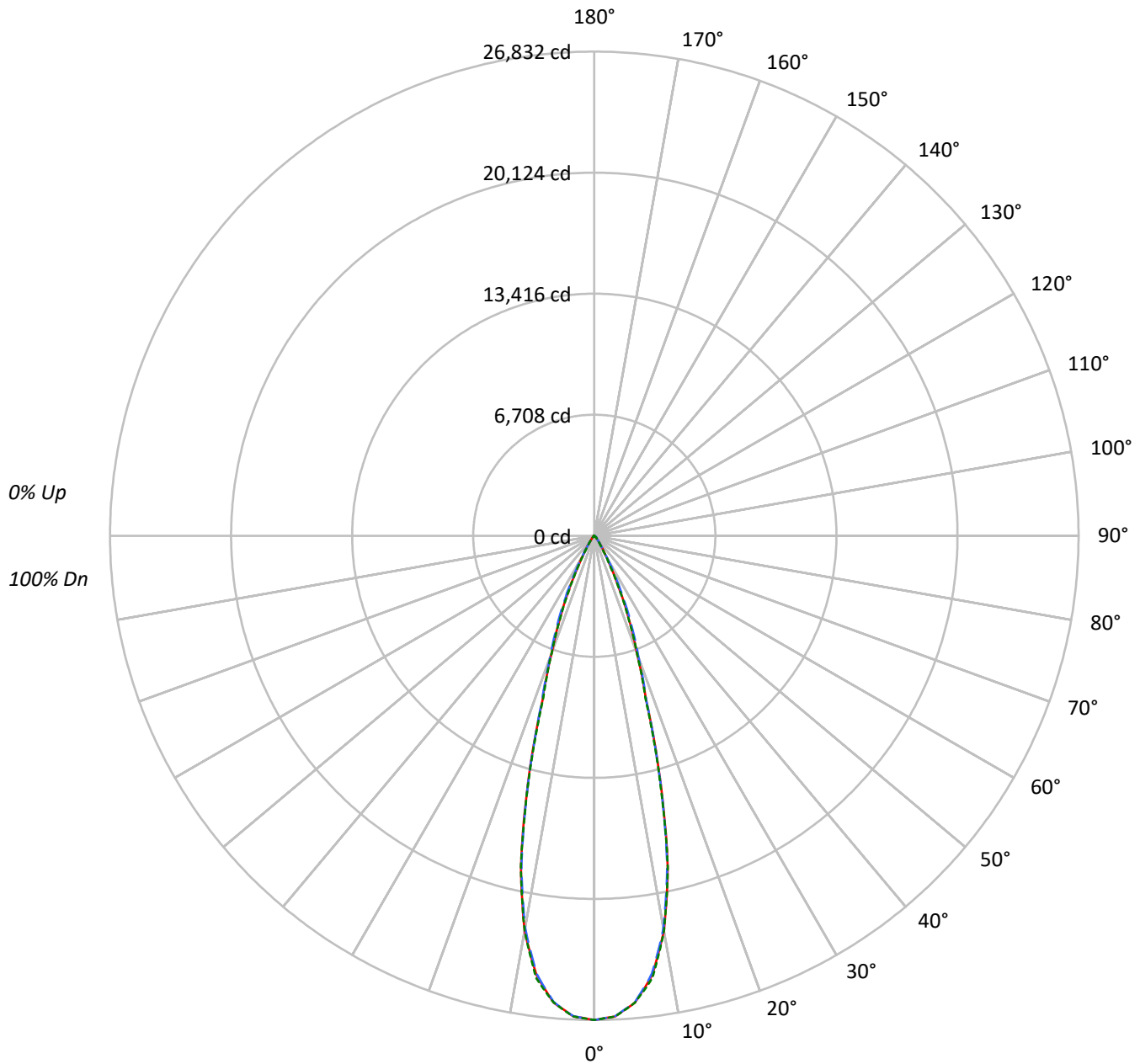


Downlight

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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	87	87	85
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	83	83	82
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	80	80	79
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	78	78	77
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	75	75	74
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	73	73	72
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2053843	2053843	2053843
5°	1994880	1992552	1994987
10°	1727871	1715684	1727459
15°	1127351	1121296	1115654
20°	560579	581611	559829
25°	282380	318426	276594
30°	113062	123191	98505
35°	52440	50225	42096
40°	22642	25140	21323
45°	15967	19820	16118
50°	5490	14433	5799
55°	3163	5979	3336
60°	2220	2618	2220
65°	1431	1431	1431
70°	895	582	895
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19820 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2359.5	28.3
10°-20°	3800.0	45.5
20°-30°	1642.1	19.7
30°-40°	374.3	4.5
40°-50°	128.5	1.5
50°-60°	31.4	0.4
60°-70°	8.1	0.1
70°-80°	0.9	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°	7801.6	93.5
0°-40°	8175.9	98.0
0°-60°	8335.7	99.9
0°-90°	8344.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8344.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26832	26832	26832	26832	26832	
5°	25963	25938	25933	25987	25964	2361
15°	14226	14055	14150	14104	14079	3809
25°	3344	3470	3770	3382	3275	1600
35°	561	573	538	534	450	381
45°	148	183	183	183	149	105
55°	24	25	45	26	25	23
65°	8	8	8	8	8	8
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°	26832.4	26832.4	26832.4	26832.4	26832.4
2.5°	26654.6	26636.1	26646.7	26659.8	26665.1
5°	25962.9	25937.9	25932.6	25986.7	25964.3
7.5°	24567.8	24532.3	24478.3	24600.8	24715.4
10°	22230.8	22191.3	22074.0	22132.0	22225.5
12.5°	18780.6	18652.8	18650.2	18834.6	18809.6
15°	14226.4	14055.1	14150.0	14103.9	14078.8
17.5°	9566.8	9501.0	9627.4	9589.2	9424.5
20°	6882.0	6899.1	7140.2	7019.0	6872.8
22.5°	5021.9	5083.8	5369.6	5057.4	4942.8
25°	3343.5	3470.0	3770.3	3381.7	3275.0
27.5°	2056.4	2114.4	2418.7	2030.1	1972.1
30°	1279.2	1250.2	1393.8	1196.2	1114.5
32.5°	839.2	802.3	848.4	761.4	695.6
35°	561.2	573.1	537.5	533.5	450.5
37.5°	350.4	403.1	355.7	379.4	289.8
40°	226.6	292.5	251.6	278.0	213.4
42.5°	185.8	225.3	206.8	220.0	189.7
45°	147.5	183.1	183.1	183.1	148.9
47.5°	81.7	122.5	156.8	125.2	86.9
50°	46.1	61.9	121.2	64.6	48.7
52.5°	31.6	35.6	83.0	36.9	32.9
55°	23.7	25.0	44.8	26.3	25.0
57.5°	18.4	19.8	23.7	19.8	18.4
60°	14.5	14.5	17.1	15.8	14.5
62.5°	10.5	10.5	11.9	10.5	10.5
65°	7.9	7.9	7.9	7.9	7.9
67.5°	4.0	5.3	5.3	5.3	5.3
70°	4.0	2.6	2.6	2.6	4.0
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)