

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: P756113

Luminaire Tested: LD4D95BD010-EU4DR3070959024-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756113
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-EU4DR3070959024-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7754.3 lumens
Efficiency: N/A
Efficacy: 78.2 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 (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

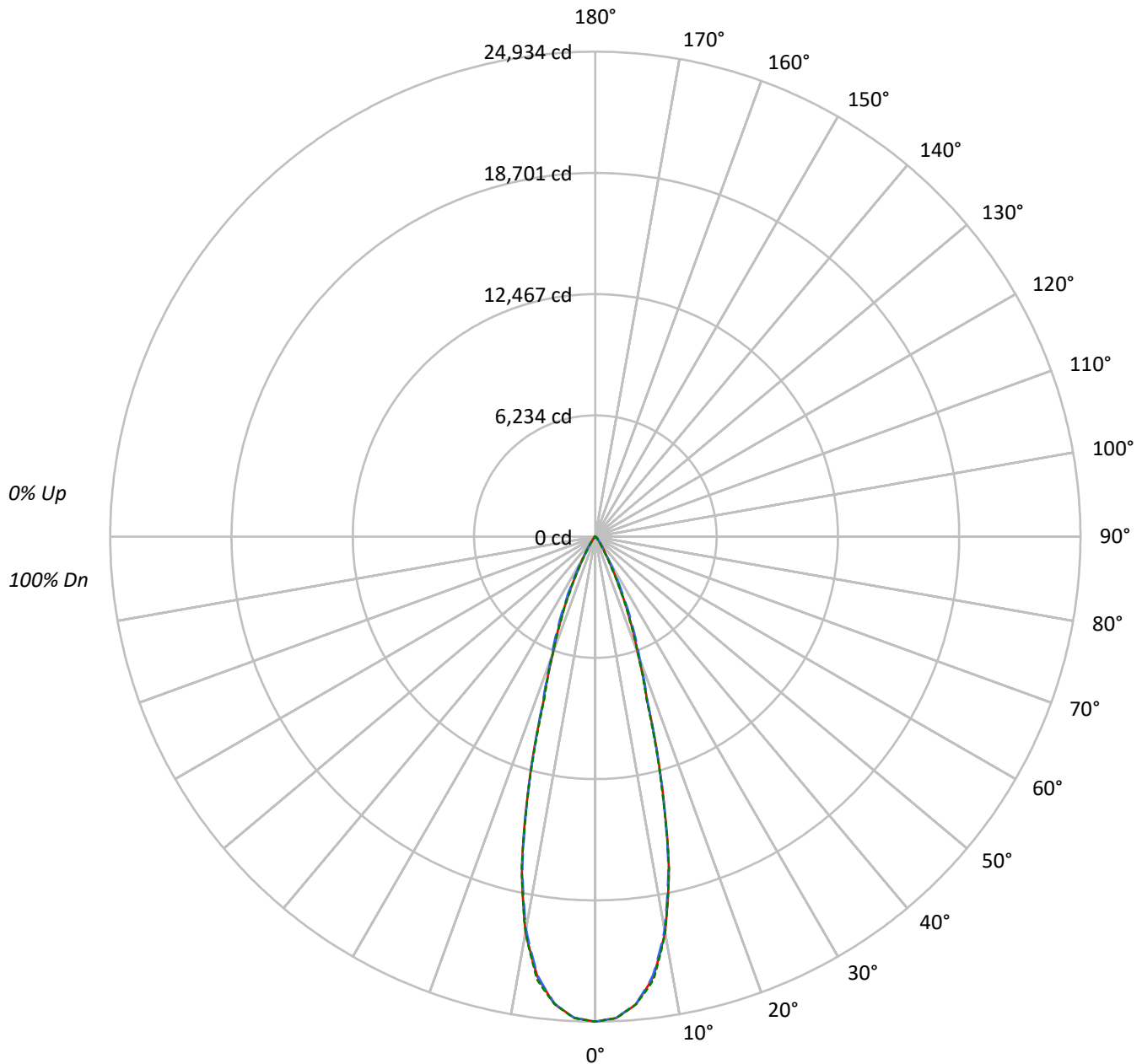


Downlight

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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°	1908525	1908525	1908525
5°	1853740	1851573	1853832
10°	1605619	1594294	1605238
15°	1047584	1041958	1036720
20°	520918	540459	520217
25°	262397	295901	257026
30°	105063	114476	91531
35°	48730	46674	39124
40°	21043	23361	19814
45°	14841	18424	14971
50°	5097	13408	5394
55°	2936	5551	3109
60°	2067	2434	2067
65°	1322	1322	1322
70°	828	537	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 18424 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2192.6	28.3
10°-20°	3531.1	45.5
20°-30°	1525.9	19.7
30°-40°	347.8	4.5
40°-50°	119.4	1.5
50°-60°	29.2	0.4
60°-70°	7.5	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°	7249.6	93.5
0°-40°	7597.4	98.0
0°-60°	7746.0	99.9
0°-90°	7754.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7754.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24934	24934	24934	24934	24934	
5°	24126	24103	24098	24148	24127	2194
15°	13220	13061	13149	13106	13083	3540
25°	3107	3224	3504	3142	3043	1487
35°	522	532	500	496	419	354
45°	137	170	170	170	138	97
55°	22	23	42	24	23	21
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°	24933.9	24933.9	24933.9	24933.9	24933.9
2.5°	24768.7	24751.5	24761.3	24773.6	24778.4
5°	24126.0	24102.7	24097.8	24148.0	24127.2
7.5°	22829.6	22796.5	22746.3	22860.2	22966.7
10°	20657.9	20621.2	20512.2	20566.1	20653.0
12.5°	17451.8	17333.0	17330.6	17502.0	17478.7
15°	13219.8	13060.7	13148.8	13106.0	13082.7
17.5°	8889.9	8828.7	8946.2	8910.7	8757.7
20°	6395.1	6411.0	6635.0	6522.4	6386.5
22.5°	4666.5	4724.1	4989.7	4699.6	4593.1
25°	3106.9	3224.5	3503.6	3142.4	3043.3
27.5°	1910.9	1964.8	2247.6	1886.4	1832.6
30°	1188.7	1161.7	1295.2	1111.5	1035.6
32.5°	779.8	745.5	788.4	707.6	646.4
35°	521.5	532.5	499.5	495.8	418.7
37.5°	325.6	374.6	330.5	352.6	269.3
40°	210.6	271.8	233.8	258.3	198.3
42.5°	172.6	209.3	192.2	204.4	176.3
45°	137.1	170.2	170.2	170.2	138.3
47.5°	75.9	113.8	145.7	116.3	80.8
50°	42.8	57.5	112.6	60.0	45.3
52.5°	29.4	33.1	77.1	34.3	30.6
55°	22.0	23.3	41.6	24.5	23.3
57.5°	17.1	18.4	22.0	18.4	17.1
60°	13.5	13.5	15.9	14.7	13.5
62.5°	9.8	9.8	11.0	9.8	9.8
65°	7.3	7.3	7.3	7.3	7.3
67.5°	3.7	4.9	4.9	4.9	4.9
70°	3.7	2.4	2.4	2.4	3.7
72.5°	2.4	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°

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

Scaled Data Report







(END OF REPORT)