

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: P756578

Luminaire Tested: LD4D95BD010-EU4DR6070959024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6070959024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7943.2 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' 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

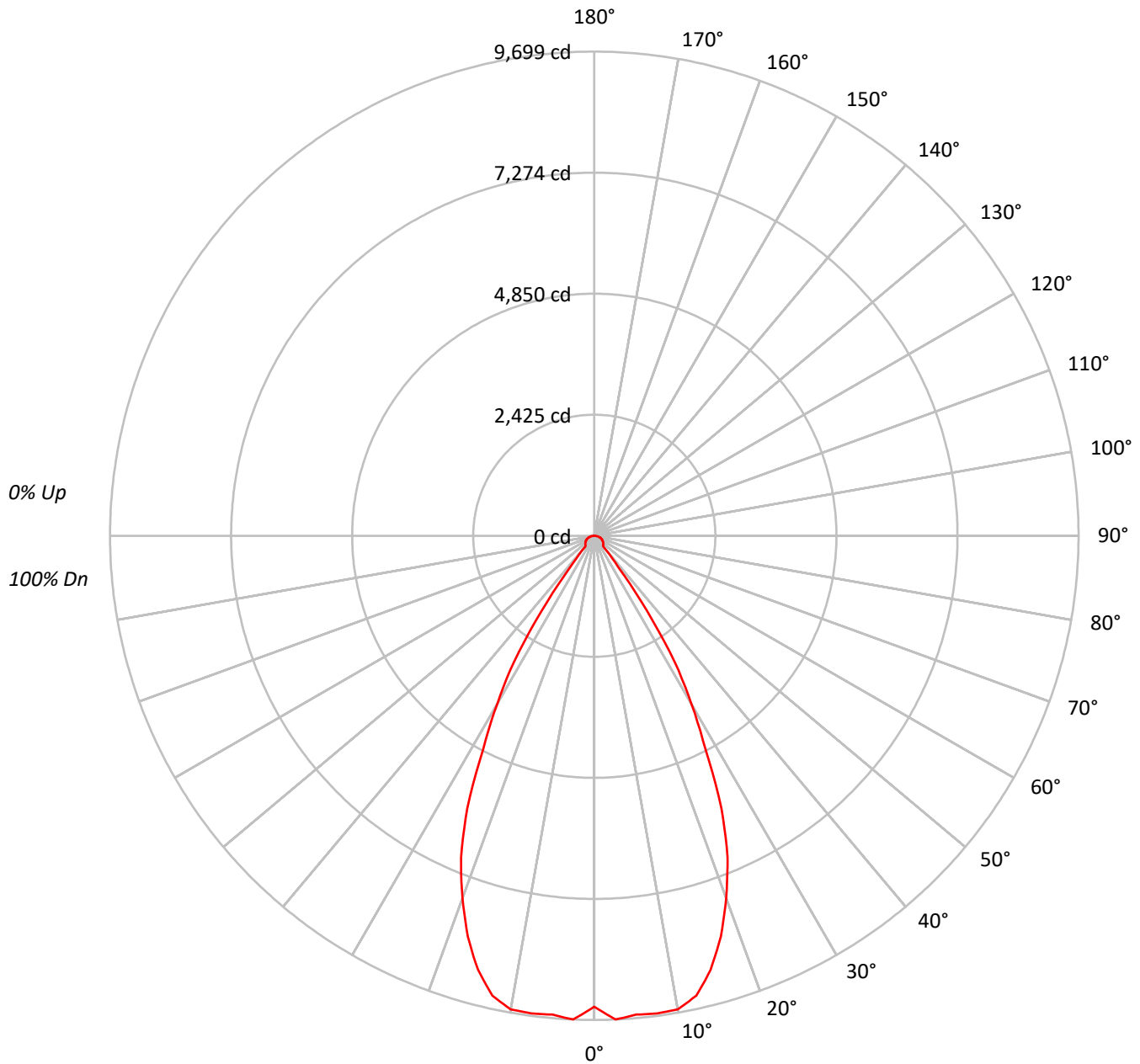


Downlight

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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1030733
5°	1056080
10°	1068834
15°	1018205
20°	897743
25°	726120
30°	491154
35°	246118
40°	39922
45°	39078
50°	39860
55°	40460
60°	41585
65°	42529
70°	43542
75°	44073
80°	42472
85°	35352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 44073 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	920.3	11.6
10°-20°	2489.9	31.3
20°-30°	2678.9	33.7
30°-40°	1164.4	14.7
40°-50°	195.6	2.5
50°-60°	190.2	2.4
60°-70°	162.6	2.0
70°-80°	108.8	1.4
80°-90°	32.5	0.4
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°	6089.0	76.7
0°-40°	7253.5	91.3
0°-60°	7639.2	96.2
0°-90°	7943.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7943.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9434	
5°	9629	920
15°	9002	2490
25°	6023	2679
35°	1845	1164
45°	253	196
55°	212	190
65°	164	163
75°	104	109
85°	28	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9433.7
2.5°	9698.8
5°	9628.9
7.5°	9651.0
10°	9633.8
12.5°	9434.9
15°	9001.5
17.5°	8419.6
20°	7721.0
22.5°	6973.3
25°	6023.1
27.5°	4817.5
30°	3893.0
32.5°	3000.5
35°	1845.2
37.5°	789.4
40°	279.9
42.5°	257.8
45°	252.9
47.5°	244.3
50°	234.5
52.5°	223.4
55°	212.4
57.5°	201.3
60°	190.3
62.5°	178.0
65°	164.5
67.5°	151.0
70°	136.3
72.5°	120.3
75°	104.4
77.5°	85.9
80°	67.5
82.5°	47.9
85°	28.2
87.5°	9.8
90°	0.0



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— 0°-180°







(END OF REPORT)