

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: P756684

Luminaire Tested: LD4D95BD010-EU4DR6570959030-4LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6570959030-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7539.2 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

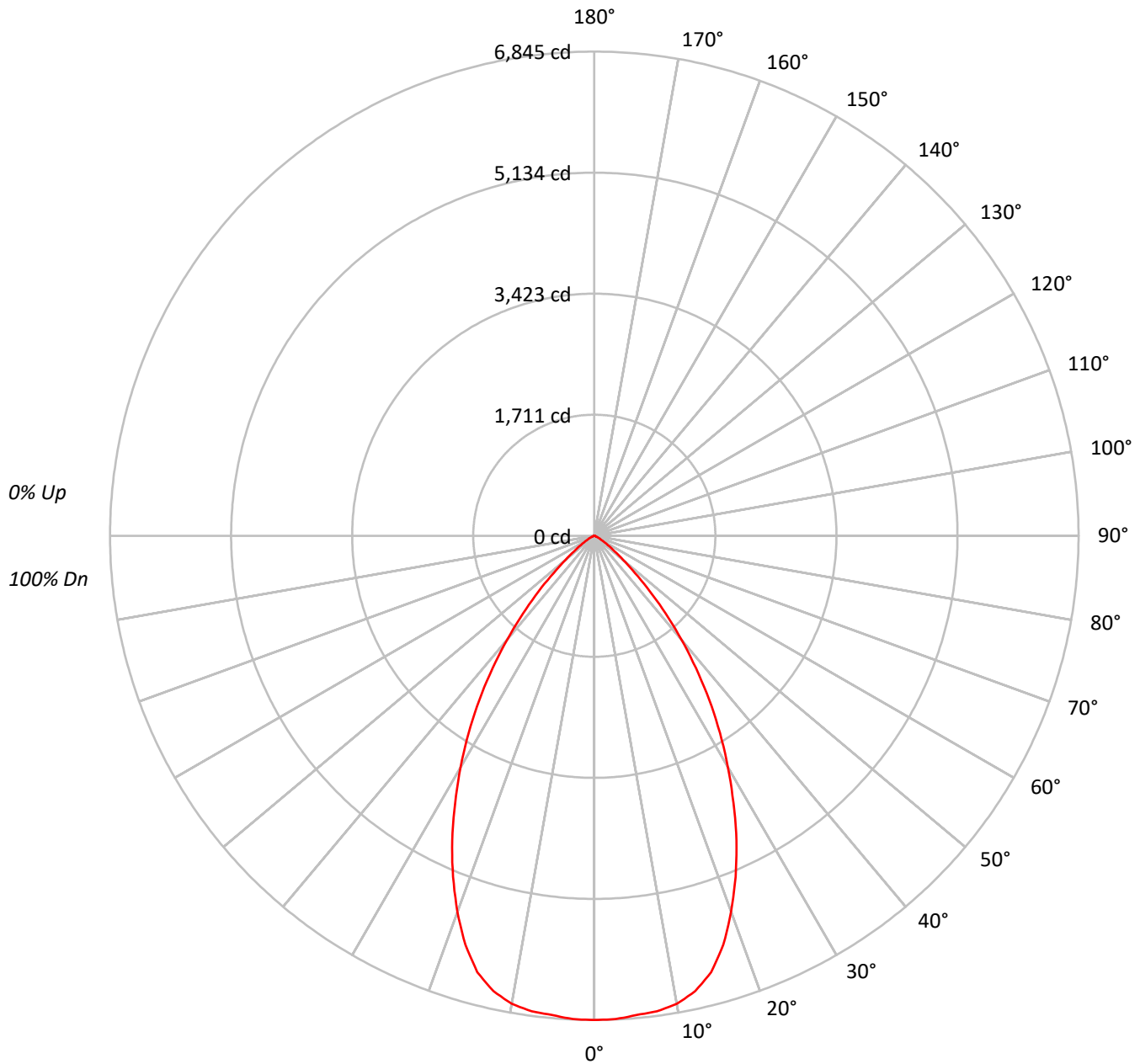


Downlight

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CATALOG NUMBER: LD4D95BD010-EU4DR6570959030-4LBS1B

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	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	399798
5°	398786
10°	398446
15°	386166
20°	351557
25°	306355
30°	254805
35°	201894
40°	145719
45°	92061
50°	47983
55°	25507
60°	13398
65°	7366
70°	3091
75°	3407
80°	2354
85°	2010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 92061 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	647.4	8.6
10°-20°	1772.7	23.5
20°-30°	2166.9	28.7
30°-40°	1758.1	23.3
40°-50°	876.1	11.6
50°-60°	244.4	3.2
60°-70°	55.5	0.7
70°-80°	14.5	0.2
80°-90°	3.7	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°	4586.9	60.8
0°-40°	6345.0	84.2
0°-60°	7465.5	99.0
0°-90°	7539.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7539.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6845	
5°	6802	647
15°	6387	1773
25°	4754	2167
35°	2832	1758
45°	1115	876
55°	250	244
65°	53	56
75°	15	14
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6845.4
2.5°	6840.3
5°	6802.1
7.5°	6780.0
10°	6718.6
12.5°	6593.9
15°	6386.7
17.5°	6062.8
20°	5656.4
22.5°	5217.8
25°	4754.0
27.5°	4258.1
30°	3778.3
32.5°	3304.5
35°	2831.7
37.5°	2359.9
40°	1911.3
42.5°	1490.8
45°	1114.6
47.5°	776.6
50°	528.1
52.5°	364.1
55°	250.5
57.5°	169.0
60°	114.7
62.5°	79.5
65°	53.3
67.5°	27.2
70°	18.1
72.5°	17.1
75°	15.1
77.5°	10.1
80°	7.0
82.5°	5.0
85°	3.0
87.5°	2.0
90°	0.0



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— 0°-180°







(END OF REPORT)