

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: P756501

Luminaire Tested: LD4D95BD010-EU4DR5570959024-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR5570959024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7061.7 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
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

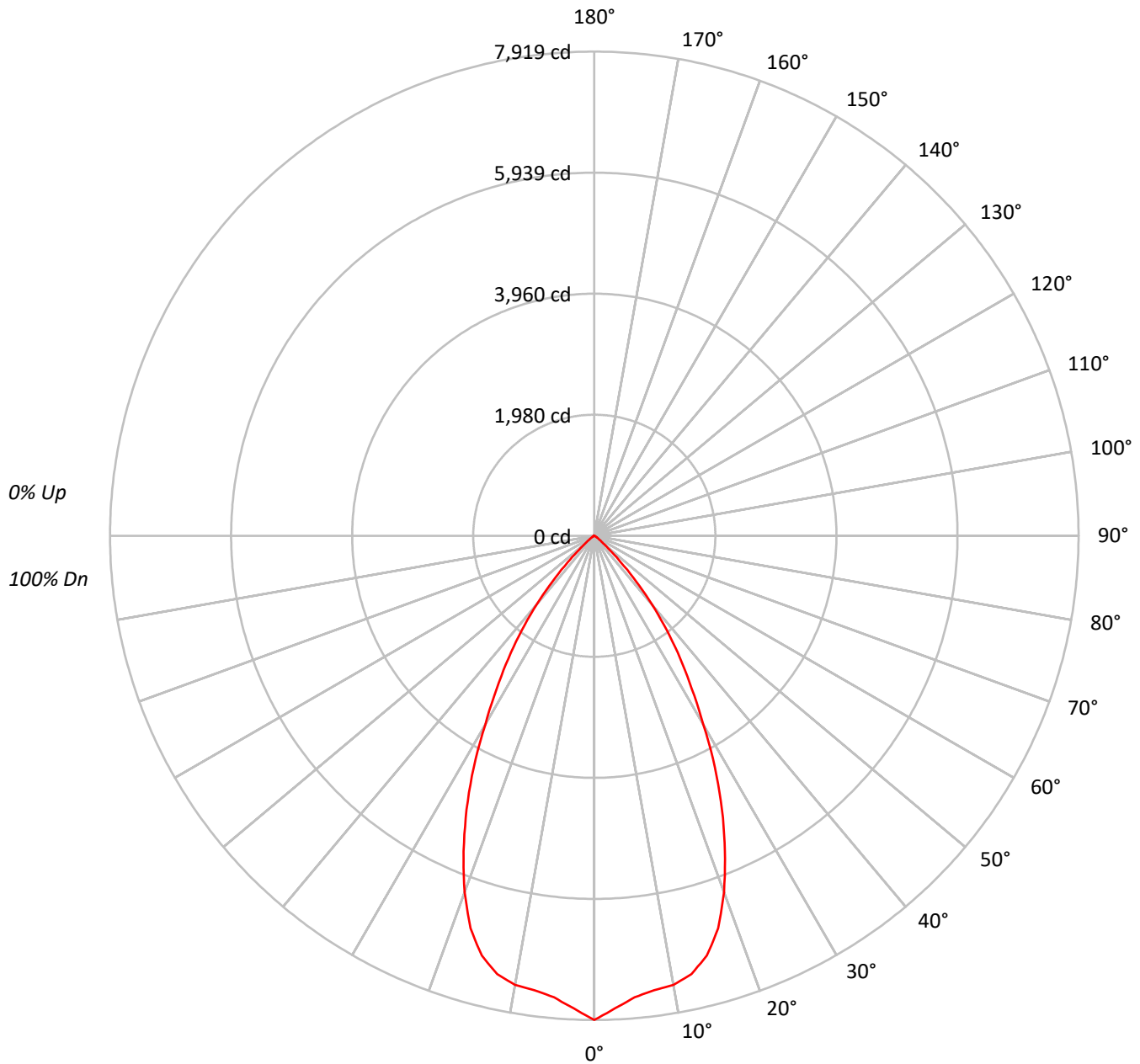


Downlight

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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					0
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	114	111	108	106	111	109	106	104		105	103	101			101	99	98			94
2	108	103	99	96	106	101	98	95		98	95	92			95	93	90			87
3	102	96	91	87	100	95	90	86		92	88	85			90	86	84			81
4	97	90	84	80	95	88	83	79		86	82	78			84	81	78			75
5	92	84	78	74	91	83	77	73		81	76	73			79	75	72			70
6	88	79	73	68	86	78	72	68		76	71	68			75	70	67			65
7	83	74	68	64	82	73	67	63		72	67	63			71	66	63			61
8	79	69	63	59	78	69	63	59		68	63	59			67	62	59			57
9	75	66	60	56	74	65	59	55		64	59	55			63	58	55			54
10	72	62	56	52	71	61	56	52		61	56	52			60	55	52			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	865192
5°	830823
10°	827693
15°	803920
20°	720834
25°	595727
30°	450000
35°	326281
40°	208810
45°	95369
50°	31191
55°	13449
60°	5791
65°	750
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 95369 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	720.8	10.2
10°-20°	1967.2	27.9
20°-30°	2241.9	31.7
30°-40°	1526.1	21.6
40°-50°	525.9	7.4
50°-60°	72.7	1.0
60°-70°	7.0	0.1
70°-80°	0.0	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°	4929.9	69.8
0°-40°	6456.1	91.4
0°-60°	7054.6	99.9
0°-90°	7061.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7061.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7919	
5°	7575	721
15°	7107	1967
25°	4942	2242
35°	2446	1526
45°	617	526
55°	71	73
65°	3	7
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7918.6
2.5°	7737.0
5°	7575.1
7.5°	7495.7
10°	7460.3
12.5°	7342.6
15°	7107.1
17.5°	6733.2
20°	6199.5
22.5°	5583.2
25°	4941.5
27.5°	4273.3
30°	3566.8
32.5°	2968.2
35°	2446.2
37.5°	1949.7
40°	1464.0
42.5°	1014.6
45°	617.2
47.5°	332.6
50°	183.5
52.5°	108.9
55°	70.6
57.5°	45.1
60°	26.5
62.5°	11.8
65°	2.9
67.5°	1.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)