

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: P756440

Luminaire Tested: LD4D95BD010-EU4DR5070959027-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR5070959027-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8864.2 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' 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

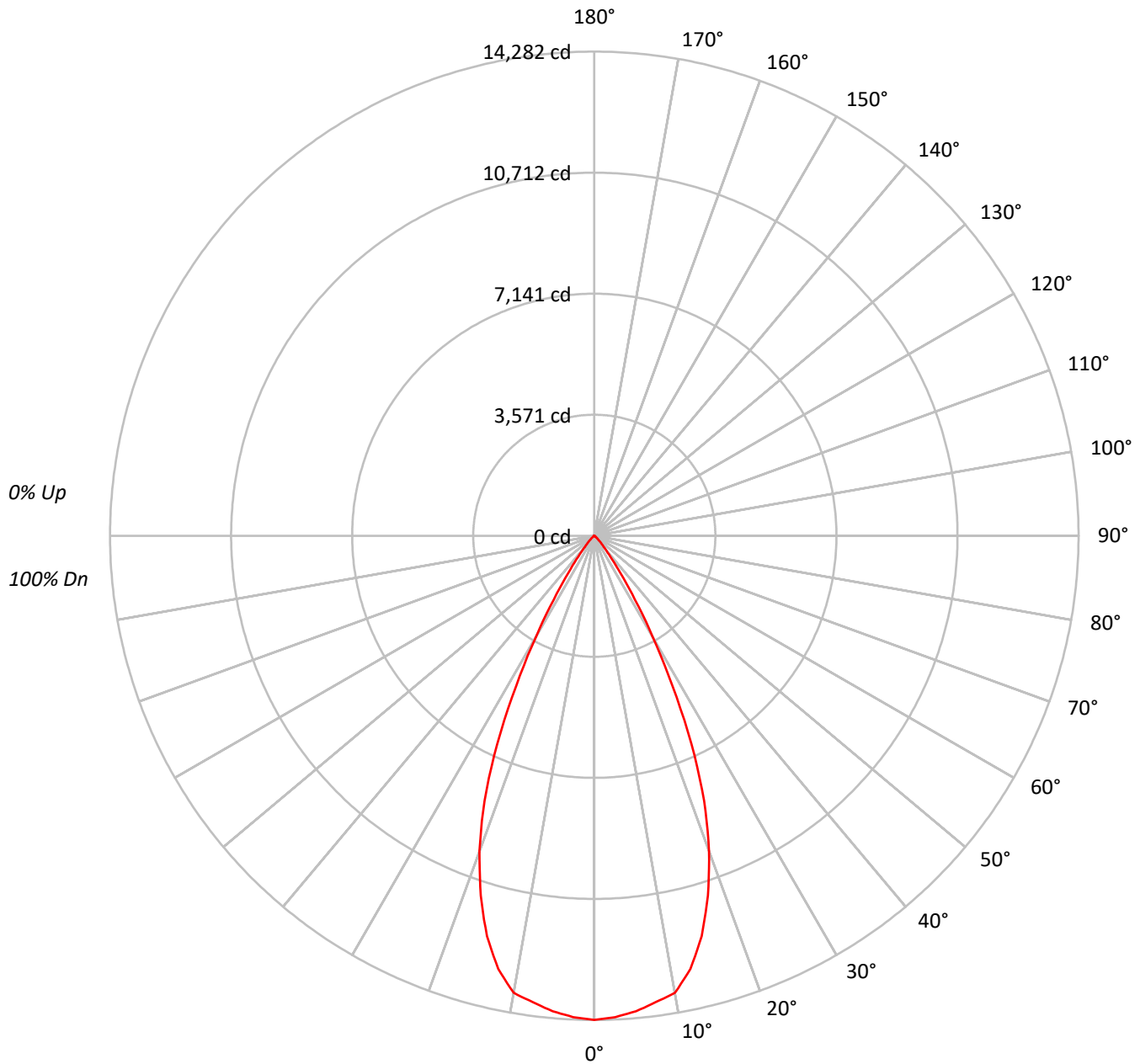


Downlight

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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					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	114	112	109	107		112	110	108	106		106	104	102			102	101	99			98
2	109	105	101	98		107	103	100	97		100	98	95			97	95	93			95
3	105	99	95	91		103	98	94	90		95	92	89			93	90	88			91
4	100	94	89	85		99	93	88	85		90	87	84			89	85	83			87
5	96	89	84	80		95	88	83	79		86	82	79			85	81	78			83
6	92	84	79	75		91	83	79	75		82	78	74			81	77	74			79
7	88	80	75	71		87	79	74	71		78	74	71			77	73	70			76
8	85	76	71	67		84	76	71	67		75	70	67			74	70	67			73
9	81	73	68	64		80	72	67	64		71	67	64			71	67	64			70
10	78	70	64	61		77	69	64	61		68	64	61			68	64	61			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1560506
5°	1544147
10°	1518721
15°	1382911
20°	1150741
25°	816851
30°	432362
35°	176199
40°	65439
45°	29961
50°	12273
55°	6420
60°	3147
65°	931
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29961 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1330.7	15.0
10°-20°	3363.1	37.9
20°-30°	3020.9	34.1
30°-40°	945.8	10.7
40°-50°	165.6	1.9
50°-60°	33.0	0.4
60°-70°	5.0	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°	7714.7	87.0
0°-40°	8660.6	97.7
0°-60°	8859.2	99.9
0°-90°	8864.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8864.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14282	
5°	14079	###
15°	12226	3363
25°	6776	3021
35°	1321	946
45°	194	166
55°	34	33
65°	4	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14282.4
2.5°	14211.4
5°	14078.9
7.5°	13876.6
10°	13688.8
12.5°	13086.7
15°	12225.7
17.5°	11132.4
20°	9896.9
22.5°	8467.6
25°	6775.7
27.5°	4981.6
30°	3427.0
32.5°	2231.3
35°	1321.0
37.5°	758.6
40°	458.8
42.5°	298.6
45°	193.9
47.5°	118.0
50°	72.2
52.5°	49.4
55°	33.7
57.5°	22.9
60°	14.4
62.5°	8.4
65°	3.6
67.5°	1.2
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)