

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: P756464

Luminaire Tested: LD4D95BD010-EU4DR5070959035-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756464
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-EU4DR5070959035-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9714.3 lumens
Efficiency: N/A
Efficacy: 97.9 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

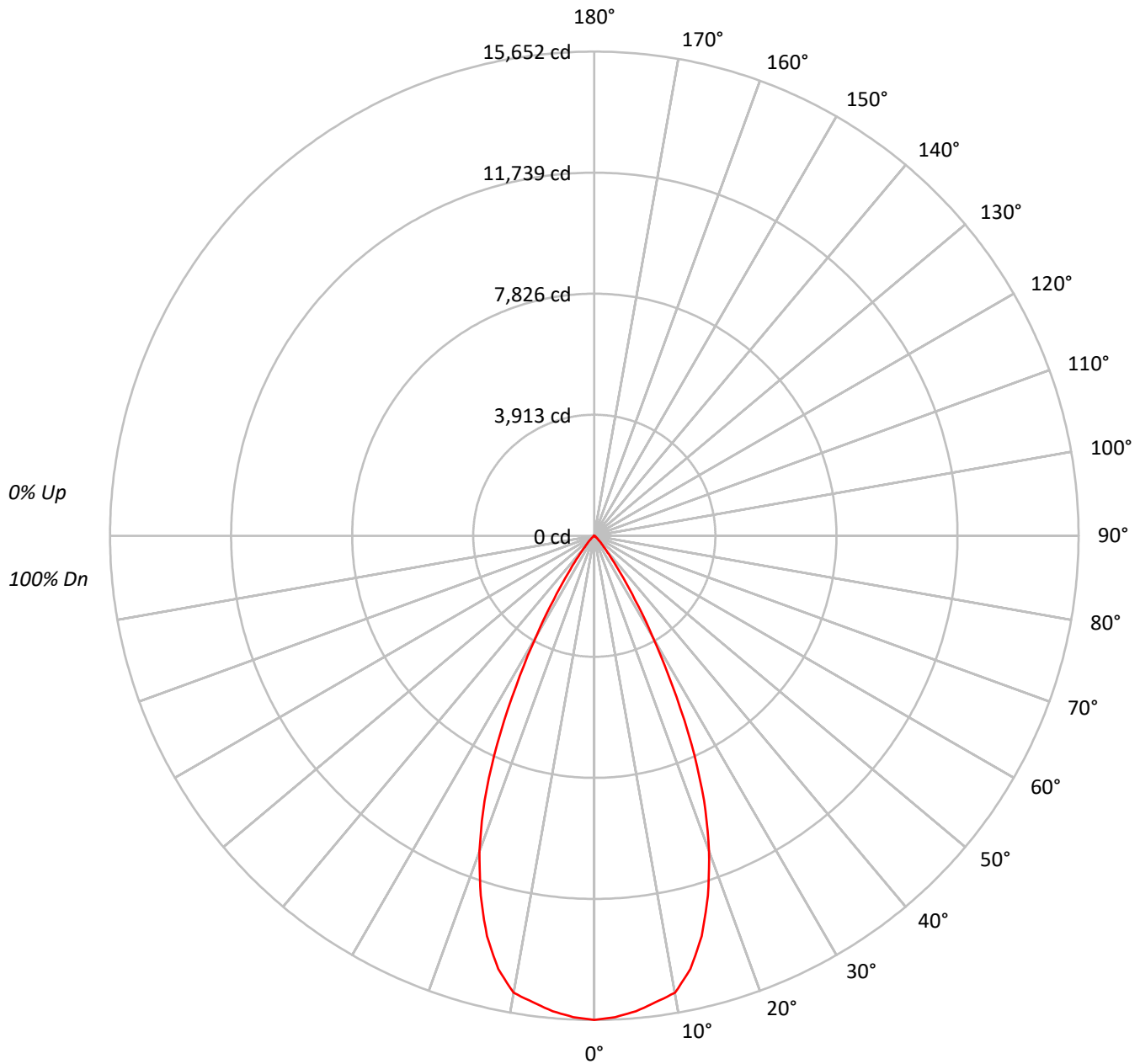


Downlight

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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					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	112	109	107	112	110	108	106		106	104	102			102	101	99			95
2	109	105	101	98	107	103	100	97		100	98	95			97	95	93			90
3	105	99	95	91	103	98	94	90		95	92	89			93	90	88			85
4	100	94	89	85	99	93	88	85		90	87	84			89	85	83			80
5	96	89	84	80	95	88	83	79		86	82	79			85	81	78			76
6	92	84	79	75	91	83	79	75		82	78	74			81	77	74			72
7	88	80	75	71	87	79	74	71		78	74	71			77	73	70			69
8	85	76	71	67	84	76	71	67		75	70	67			74	70	67			65
9	81	73	68	64	80	72	67	64		71	67	64			71	67	64			62
10	78	70	64	61	77	69	64	61		68	64	61			68	64	61			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1710171
5°	1692246
10°	1664383
15°	1515549
20°	1261107
25°	895200
30°	473832
35°	193085
40°	71714
45°	32835
50°	13462
55°	7029
60°	3453
65°	1034
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32835 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1458.4	15.0
10°-20°	3685.6	37.9
20°-30°	3310.6	34.1
30°-40°	1036.6	10.7
40°-50°	181.5	1.9
50°-60°	36.2	0.4
60°-70°	5.5	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°	8454.6	87.0
0°-40°	9491.2	97.7
0°-60°	9708.9	99.9
0°-90°	9714.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9714.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15652	
5°	15429	###
15°	13398	3686
25°	7426	3311
35°	1448	1037
45°	212	182
55°	37	36
65°	4	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	15652.2
2.5°	15574.4
5°	15429.2
7.5°	15207.5
10°	15001.7
12.5°	14341.8
15°	13398.3
17.5°	12200.1
20°	10846.1
22.5°	9279.7
25°	7425.6
27.5°	5459.3
30°	3755.7
32.5°	2445.3
35°	1447.6
37.5°	831.4
40°	502.8
42.5°	327.3
45°	212.5
47.5°	129.3
50°	79.2
52.5°	54.1
55°	36.9
57.5°	25.1
60°	15.8
62.5°	9.2
65°	4.0
67.5°	1.3
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)