

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: P756669

Luminaire Tested: LD4D95BD010-EU4DR6570959027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6570959027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7862.2 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

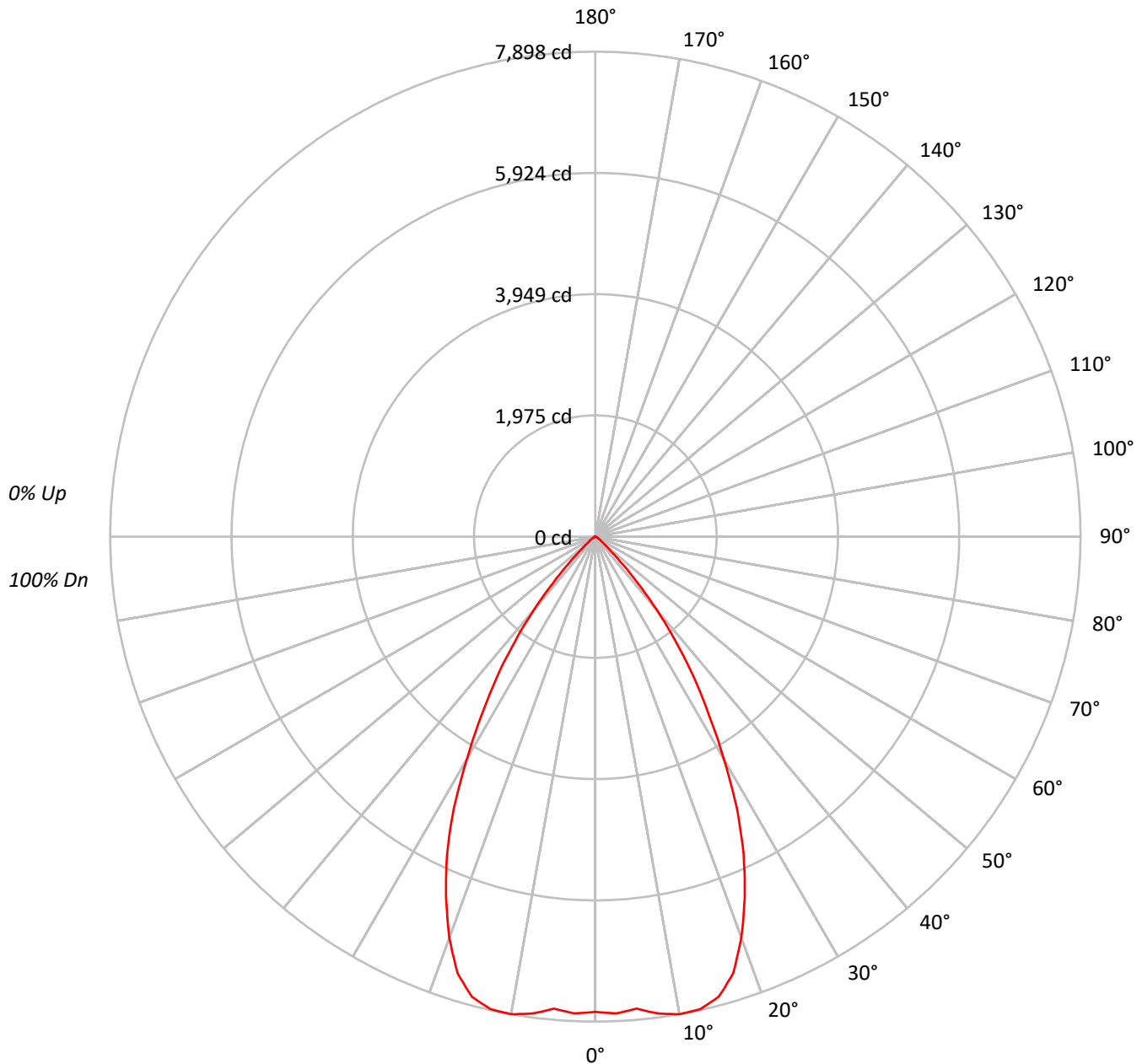


Downlight

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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	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	845777
5°	846474
10°	876276
15°	877728
20°	808096
25°	688531
30°	527098
35°	372391
40°	219807
45°	89234
50°	32347
55°	18020
60°	10336
65°	5688
70°	5974
75°	4644
80°	4845
85°	4137

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 89234 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	745.4	9.5
10°-20°	2150.1	27.3
20°-30°	2579.7	32.8
30°-40°	1733.6	22.1
40°-50°	519.0	6.6
50°-60°	91.6	1.2
60°-70°	26.0	0.3
70°-80°	12.8	0.2
80°-90°	4.0	0.1
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°	5475.2	69.6
0°-40°	7208.8	91.7
0°-60°	7819.3	99.5
0°-90°	7862.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7862.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7741	
5°	7718	745
15°	7760	2150
25°	5711	2580
35°	2792	1734
45°	578	519
55°	95	92
65°	22	26
75°	11	13
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7740.9
2.5°	7773.9
5°	7717.8
7.5°	7834.4
10°	7898.2
12.5°	7882.8
15°	7759.6
17.5°	7458.2
20°	6950.0
22.5°	6351.5
25°	5711.3
27.5°	4988.6
30°	4177.9
32.5°	3443.1
35°	2791.9
37.5°	2148.3
40°	1541.1
42.5°	1006.5
45°	577.5
47.5°	305.8
50°	190.3
52.5°	132.0
55°	94.6
57.5°	68.2
60°	47.3
62.5°	30.8
65°	22.0
67.5°	19.8
70°	18.7
72.5°	14.3
75°	11.0
77.5°	9.9
80°	7.7
82.5°	5.5
85°	3.3
87.5°	2.2
90°	0.0



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— 0°-180°







(END OF REPORT)