

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: P753445

Luminaire Tested: LD4D75BD010-EU4DR5570959050-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753445
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: LD4D75BD010-EU4DR5570959050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8200.3 lumens
Efficiency: N/A
Efficacy: 113.3 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): 72.4
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

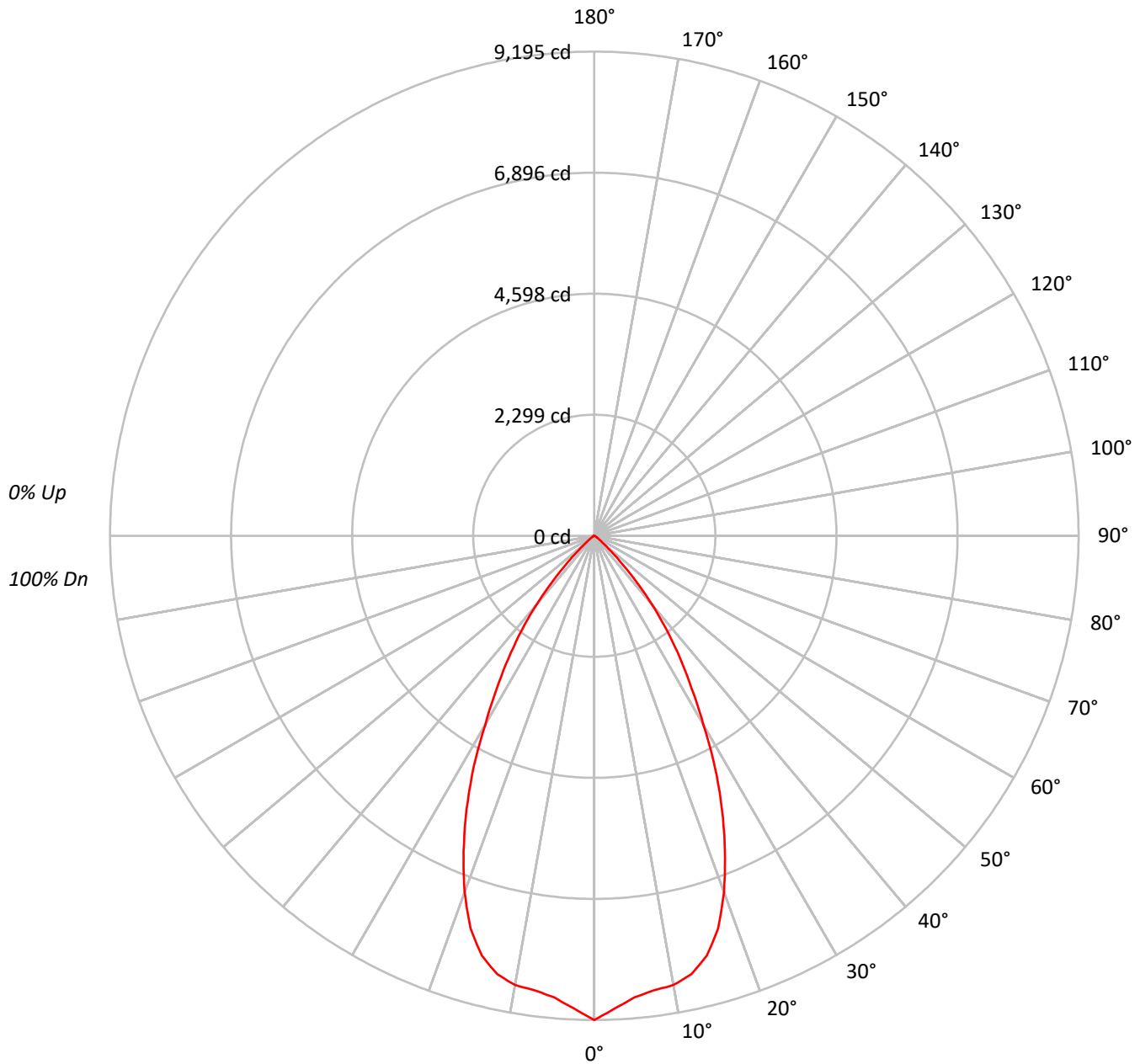


Downlight

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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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1004696
5°	964794
10°	961150
15°	933539
20°	837048
25°	691786
30°	522556
35°	378887
40°	242485
45°	110743
50°	36223
55°	15620
60°	6730
65°	879
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 110743 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	837.0	10.2
10°-20°	2284.4	27.9
20°-30°	2603.3	31.7
30°-40°	1772.2	21.6
40°-50°	610.7	7.4
50°-60°	84.4	1.0
60°-70°	8.2	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°	5724.8	69.8
0°-40°	7497.0	91.4
0°-60°	8192.2	99.9
0°-90°	8200.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8200.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9195	
5°	8797	837
15°	8253	2284
25°	5738	2603
35°	2841	1772
45°	717	611
55°	82	84
65°	3	8
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9195.4
2.5°	8984.6
5°	8796.6
7.5°	8704.3
10°	8663.2
12.5°	8526.5
15°	8253.0
17.5°	7818.9
20°	7199.0
22.5°	6483.5
25°	5738.3
27.5°	4962.3
30°	4141.9
32.5°	3446.8
35°	2840.6
37.5°	2264.1
40°	1700.1
42.5°	1178.2
45°	716.7
47.5°	386.3
50°	213.1
52.5°	126.5
55°	82.0
57.5°	52.4
60°	30.8
62.5°	13.7
65°	3.4
67.5°	1.1
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)