

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: P756758

Luminaire Tested: LD4D95BD010-EU4DR7070959030-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR7070959030-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5170.3 lumens
Efficiency: N/A
Efficacy: 52.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

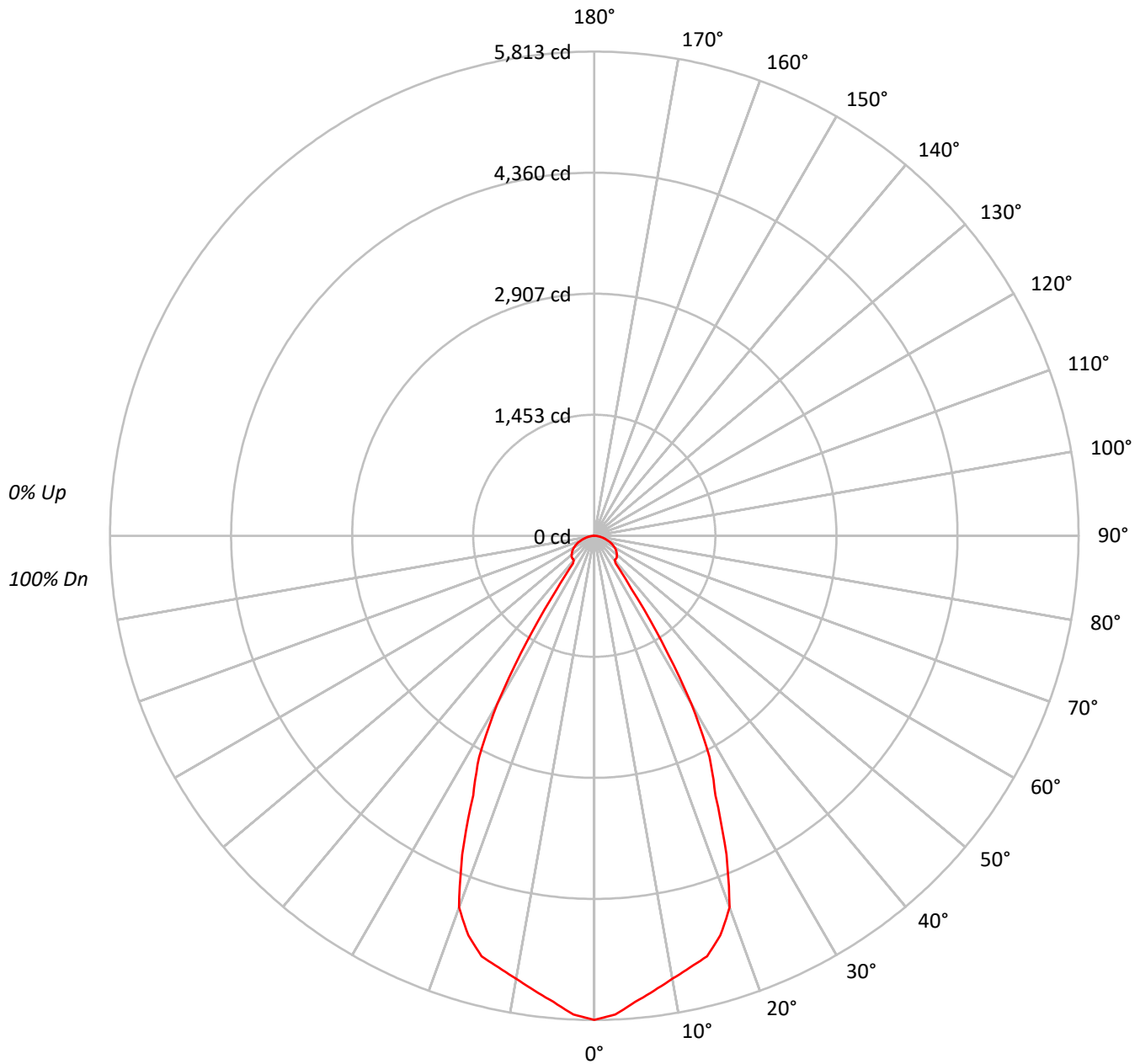


Downlight

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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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	635122
5°	616248
10°	599077
15°	591207
20°	552075
25°	414748
30°	293191
35°	103852
40°	54613
45°	58161
50°	60224
55°	61357
60°	61732
65°	60445
70°	57023
75°	52853
80°	46876
85°	38110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 61758 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.0	10.3
10°-20°	1453.7	28.1
20°-30°	1601.0	31.0
30°-40°	611.7	11.8
40°-50°	288.8	5.6
50°-60°	287.1	5.6
60°-70°	229.9	4.4
70°-80°	132.1	2.6
80°-90°	35.9	0.7
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°	3584.7	69.3
0°-40°	4196.4	81.2
0°-60°	4772.3	92.3
0°-90°	5170.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5170.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5813	
5°	5619	530
15°	5227	1454
25°	3440	1601
35°	779	612
45°	376	289
55°	322	287
65°	234	230
75°	125	132
85°	30	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5812.9
2.5°	5752.2
5°	5618.7
7.5°	5507.3
10°	5399.7
12.5°	5308.6
15°	5226.6
17.5°	5028.8
20°	4748.1
22.5°	4142.5
25°	3440.3
27.5°	2994.8
30°	2323.9
32.5°	1501.1
35°	778.6
37.5°	420.6
40°	382.9
42.5°	380.1
45°	376.4
47.5°	368.1
50°	354.3
52.5°	338.7
55°	322.1
57.5°	303.7
60°	282.5
62.5°	258.6
65°	233.8
67.5°	206.2
70°	178.5
72.5°	150.9
75°	125.2
77.5°	98.5
80°	74.5
82.5°	52.5
85°	30.4
87.5°	12.0
90°	0.0



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— 0°-180°







(END OF REPORT)