

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: P756799

Luminaire Tested: LD4D95BD010-EU4DR7070959050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756799
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-EU4DR7070959050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9940.3 lumens
Efficiency: N/A
Efficacy: 100.2 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 (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

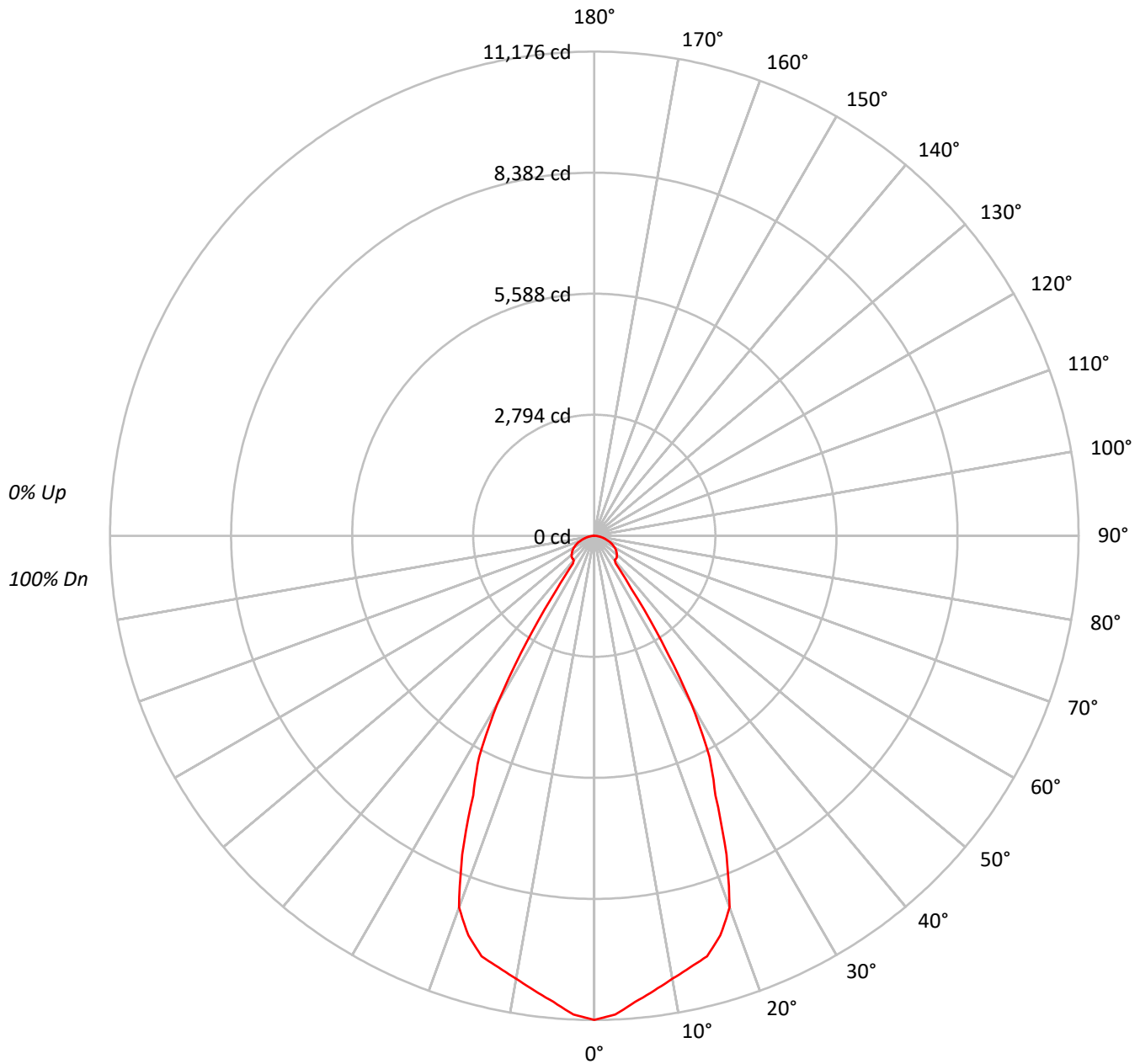


Downlight

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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	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°	1221076
5°	1184787
10°	1151767
15°	1136648
20°	1061397
25°	797381
30°	563673
35°	199661
40°	104990
45°	111825
50°	115790
55°	117971
60°	118701
65°	116185
70°	109670
75°	101570
80°	90165
85°	73212

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 118737 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1018.9	10.3
10°-20°	2794.8	28.1
20°-30°	3078.1	31.0
30°-40°	1176.0	11.8
40°-50°	555.3	5.6
50°-60°	552.1	5.6
60°-70°	442.0	4.4
70°-80°	254.0	2.6
80°-90°	69.1	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°	6891.8	69.3
0°-40°	8067.8	81.2
0°-60°	9175.2	92.3
0°-90°	9940.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9940.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11176	
5°	10802	###
15°	10049	2795
25°	6614	3078
35°	1497	1176
45°	724	555
55°	619	552
65°	449	442
75°	241	254
85°	58	69
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11175.8
2.5°	11059.0
5°	10802.4
7.5°	10588.3
10°	10381.3
12.5°	10206.1
15°	10048.6
17.5°	9668.2
20°	9128.5
22.5°	7964.2
25°	6614.2
27.5°	5757.8
30°	4467.8
32.5°	2886.0
35°	1496.9
37.5°	808.6
40°	736.1
42.5°	730.8
45°	723.7
47.5°	707.8
50°	681.2
52.5°	651.2
55°	619.3
57.5°	583.9
60°	543.2
62.5°	497.2
65°	449.4
67.5°	396.4
70°	343.3
72.5°	290.2
75°	240.6
77.5°	189.3
80°	143.3
82.5°	100.9
85°	58.4
87.5°	23.0
90°	0.0



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— 0°-180°







(END OF REPORT)