

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: P756790

Luminaire Tested: LD4D95BD010-EU4DR7070959040-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR7070959040-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10389.2 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
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

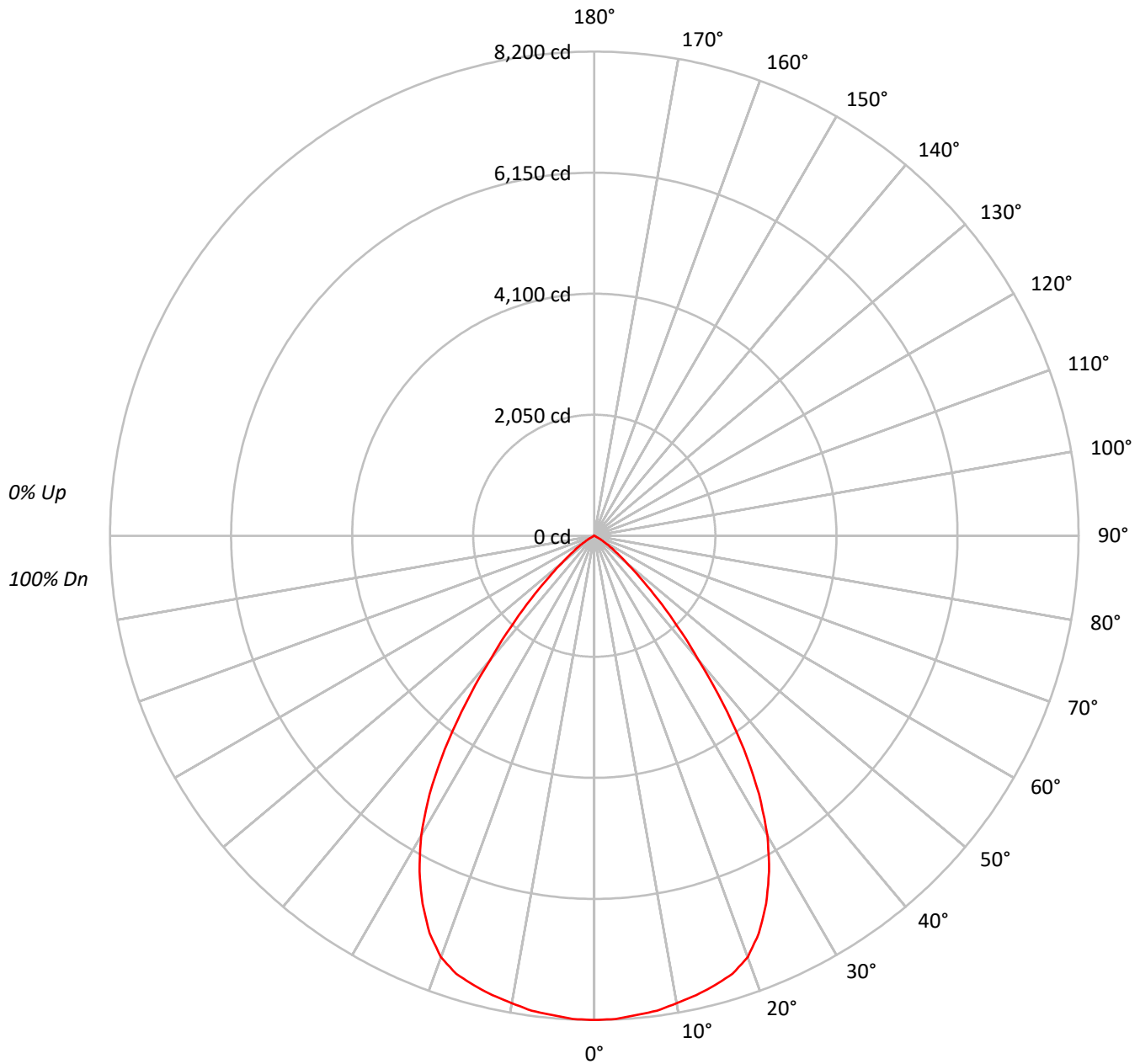


Downlight

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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		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105	111	108	106	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94	105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84	99	92	87	83		90	85	82		87	84	81		85	82	79
4	95	87	81	76	93	86	80	76		83	78	75		81	77	74		79	76	73
5	89	80	74	69	88	79	73	69		78	72	68		76	71	68		74	70	67
6	84	75	68	63	83	74	68	63		72	67	63		71	66	62		69	65	62
7	80	69	63	58	78	69	62	58		67	62	58		66	61	57		65	61	57
8	75	65	58	54	74	64	58	54		63	57	53		62	57	53		61	56	53
9	71	61	54	50	70	60	54	50		59	53	50		58	53	49		57	53	49
10	67	57	50	46	66	56	50	46		55	50	46		55	50	46		54	49	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	895949
5°	893712
10°	891775
15°	891528
20°	882813
25°	829292
30°	739318
35°	589458
40°	391405
45°	234002
50°	121314
55°	63757
60°	22551
65°	388
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 234002 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	774.9	7.5
10°-20°	2222.5	21.4
20°-30°	3135.3	30.2
30°-40°	2706.6	26.1
40°-50°	1212.0	11.7
50°-60°	317.3	3.1
60°-70°	20.7	0.2
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°	6132.7	59.0
0°-40°	8839.2	85.1
0°-60°	10368.6	99.8
0°-90°	10389.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10389.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8200	
5°	8148	775
15°	7882	2222
25°	6879	3135
35°	4419	2707
45°	1514	1212
55°	335	317
65°	2	21
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8200.1
2.5°	8191.3
5°	8148.5
7.5°	8113.1
10°	8037.9
12.5°	7970.1
15°	7881.6
17.5°	7779.9
20°	7592.6
22.5°	7284.4
25°	6878.9
27.5°	6408.5
30°	5860.0
32.5°	5189.0
35°	4419.3
37.5°	3569.9
40°	2744.2
42.5°	2085.0
45°	1514.4
47.5°	1044.0
50°	713.7
52.5°	492.5
55°	334.7
57.5°	202.0
60°	103.2
62.5°	32.4
65°	1.5
67.5°	0.0
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)