

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: P756591

Luminaire Tested: LD4D95BD010-EU4DR6070959027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6070959027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8998.1 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

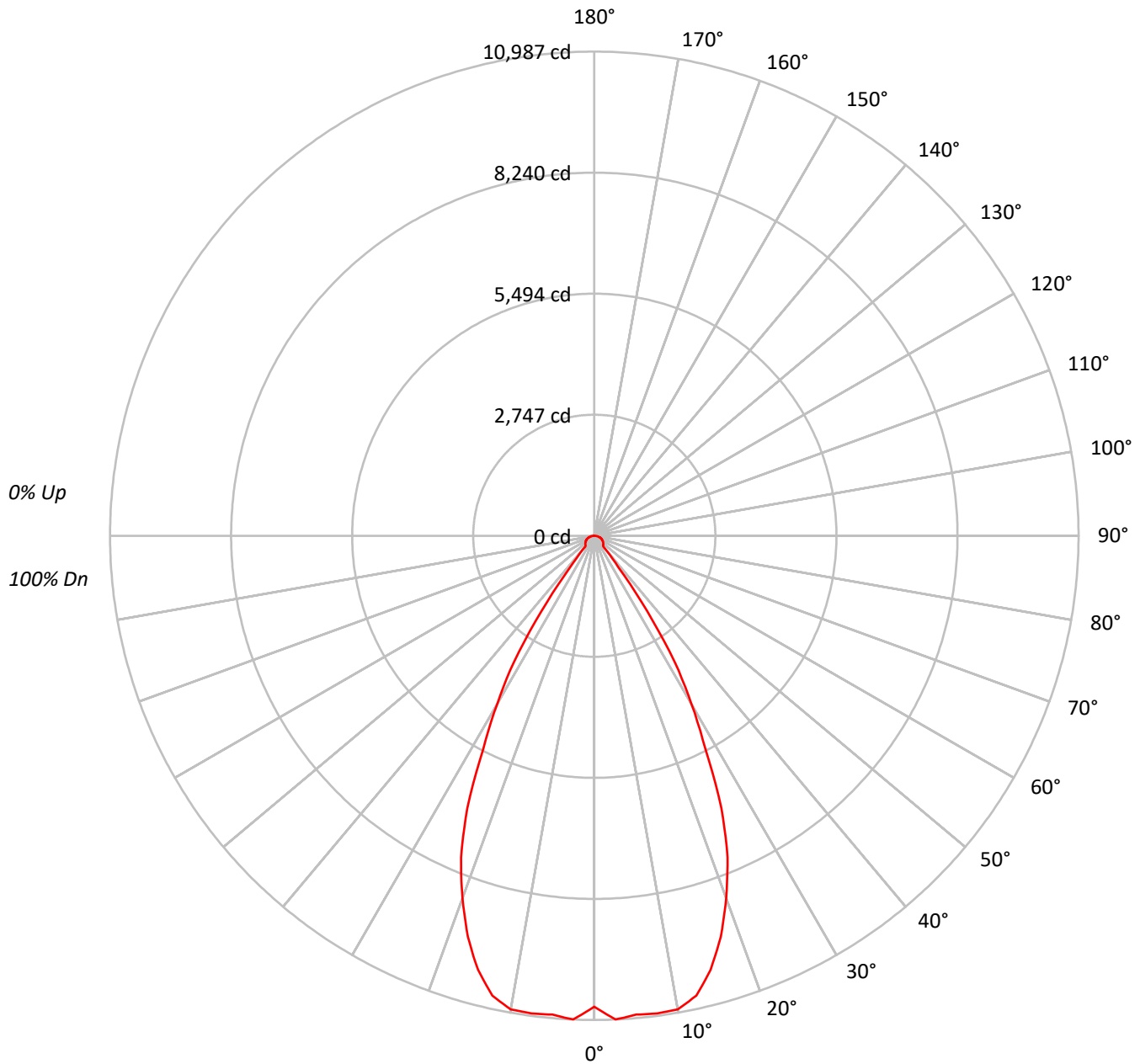


Downlight

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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1167593
5°	1196303
10°	1210746
15°	1153400
20°	1016946
25°	822541
30°	556381
35°	278797
40°	45228
45°	44269
50°	45147
55°	45832
60°	47113
65°	48191
70°	49324
75°	49898
80°	48134
85°	40116

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 49898 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1042.5	11.6
10°-20°	2820.5	31.3
20°-30°	3034.6	33.7
30°-40°	1319.1	14.7
40°-50°	221.6	2.5
50°-60°	215.4	2.4
60°-70°	184.3	2.0
70°-80°	123.3	1.4
80°-90°	36.9	0.4
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°	6897.6	76.7
0°-40°	8216.6	91.3
0°-60°	8653.6	96.2
0°-90°	8998.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8998.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10686	
5°	10907	###
15°	10197	2820
25°	6823	3035
35°	2090	1319
45°	286	222
55°	241	215
65°	186	184
75°	118	123
85°	32	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10686.3
2.5°	10986.7
5°	10907.4
7.5°	10932.4
10°	10912.9
12.5°	10687.7
15°	10196.7
17.5°	9537.5
20°	8746.2
22.5°	7899.3
25°	6822.9
27.5°	5457.2
30°	4410.0
32.5°	3398.9
35°	2090.2
37.5°	894.2
40°	317.1
42.5°	292.1
45°	286.5
47.5°	276.8
50°	265.6
52.5°	253.1
55°	240.6
57.5°	228.1
60°	215.6
62.5°	201.7
65°	186.4
67.5°	171.1
70°	154.4
72.5°	136.3
75°	118.2
77.5°	97.4
80°	76.5
82.5°	54.2
85°	32.0
87.5°	11.1
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)