

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: P756604

Luminaire Tested: LD4D95BD010-EU4DR6070959030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756604
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-EU4DR6070959030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9270.0 lumens
Efficiency: N/A
Efficacy: 93.4 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

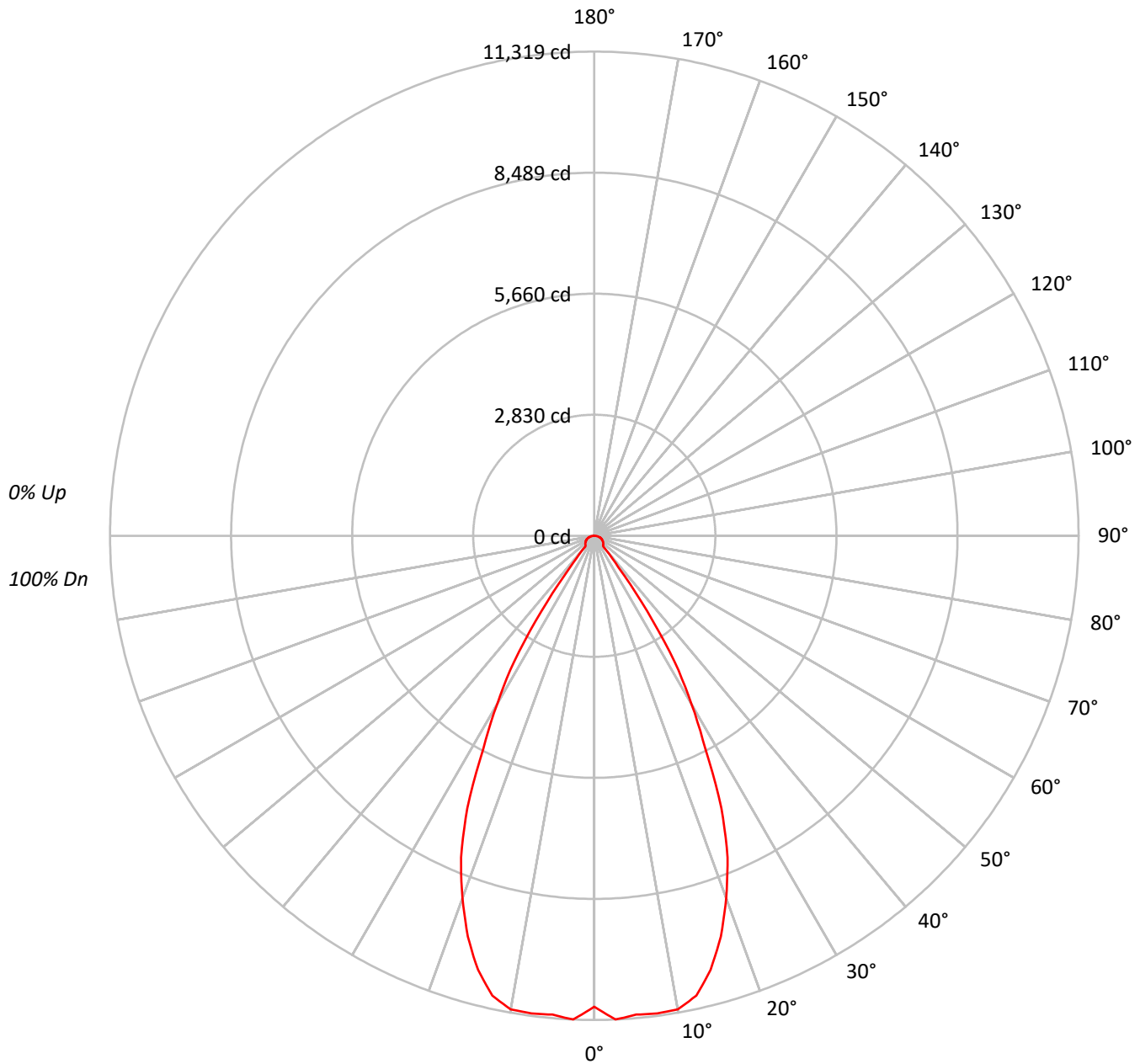


Downlight

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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°	1202873
5°	1232453
10°	1247336
15°	1188262
20°	1047677
25°	847387
30°	573186
35°	287226
40°	46597
45°	45598
50°	46523
55°	47223
60°	48534
65°	49638
70°	50794
75°	51418
80°	49582
85°	41370

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 51418 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1074.0	11.6
10°-20°	2905.7	31.3
20°-30°	3126.3	33.7
30°-40°	1358.9	14.7
40°-50°	228.2	2.5
50°-60°	222.0	2.4
60°-70°	189.8	2.0
70°-80°	127.0	1.4
80°-90°	38.0	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°	7106.0	76.7
0°-40°	8464.9	91.3
0°-60°	8915.1	96.2
0°-90°	9270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9270.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11009	
5°	11237	###
15°	10505	2906
25°	7029	3126
35°	2153	1359
45°	295	228
55°	248	222
65°	192	190
75°	122	127
85°	33	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11009.2
2.5°	11318.7
5°	11237.0
7.5°	11262.8
10°	11242.7
12.5°	11010.6
15°	10504.9
17.5°	9825.8
20°	9010.5
22.5°	8138.0
25°	7029.0
27.5°	5622.1
30°	4543.2
32.5°	3501.6
35°	2153.4
37.5°	921.3
40°	326.7
42.5°	300.9
45°	295.1
47.5°	285.1
50°	273.7
52.5°	260.8
55°	247.9
57.5°	235.0
60°	222.1
62.5°	207.7
65°	192.0
67.5°	176.2
70°	159.0
72.5°	140.4
75°	121.8
77.5°	100.3
80°	78.8
82.5°	55.9
85°	33.0
87.5°	11.5
90°	0.0



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— 0°-180°







(END OF REPORT)