

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: P756592

Luminaire Tested: LD4D95BD010-EU4DR6070959027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756592
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-EU4DR6070959027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7760.6 lumens
Efficiency: N/A
Efficacy: 78.2 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

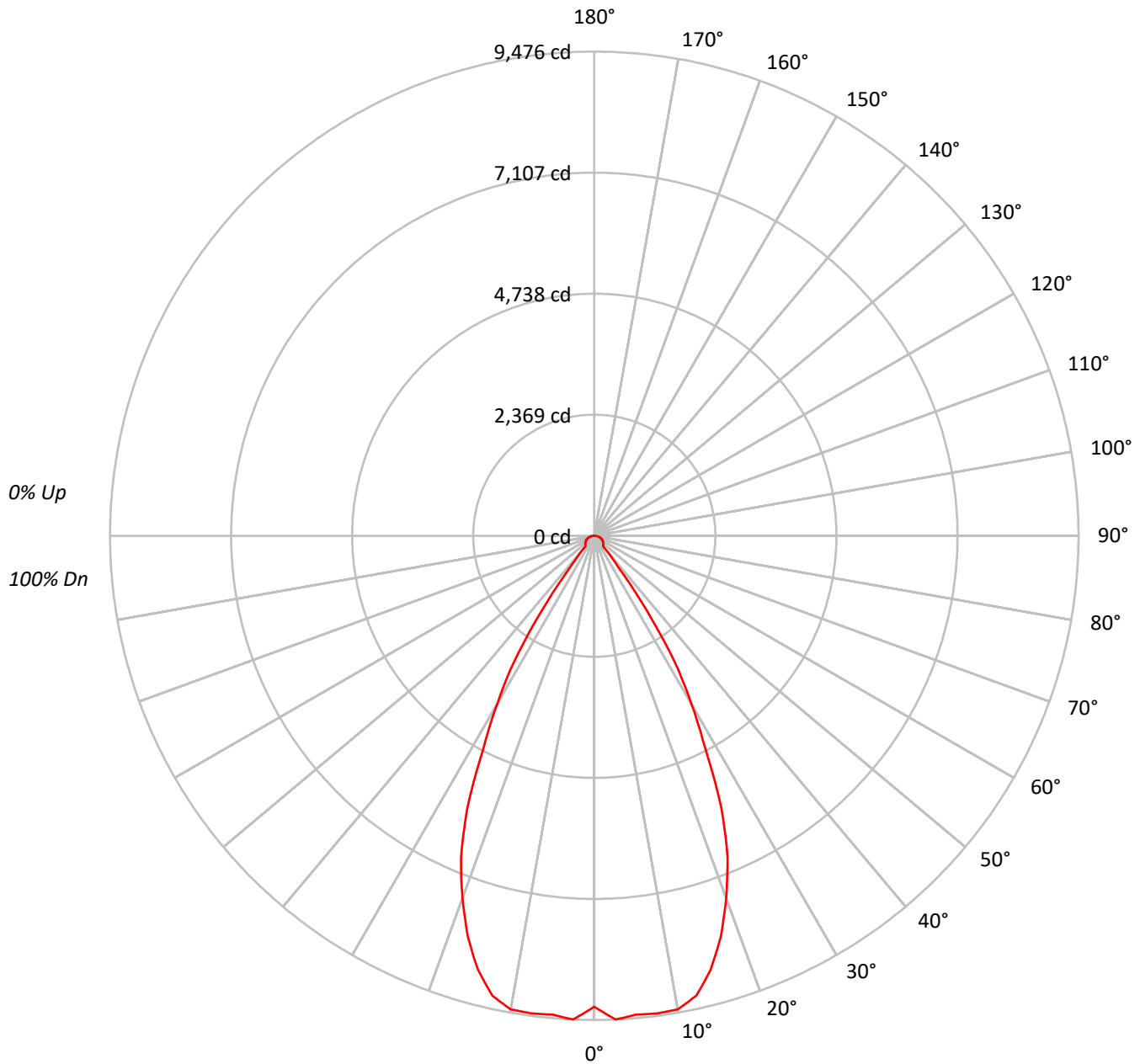


Downlight

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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°	1007024
5°	1031797
10°	1044260
15°	994790
20°	877104
25°	709423
30°	479863
35°	240462
40°	39009
45°	38181
50°	38942
55°	39527
60°	40623
65°	41546
70°	42520
75°	43059
80°	41528
85°	34600

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 43059 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	899.1	11.6
10°-20°	2432.6	31.3
20°-30°	2617.3	33.7
30°-40°	1137.7	14.7
40°-50°	191.1	2.5
50°-60°	185.8	2.4
60°-70°	158.9	2.0
70°-80°	106.3	1.4
80°-90°	31.8	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°	5949.0	76.7
0°-40°	7086.7	91.3
0°-60°	7463.6	96.2
0°-90°	7760.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7760.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9217	
5°	9408	899
15°	8794	2433
25°	5885	2617
35°	1803	1138
45°	247	191
55°	208	186
65°	161	159
75°	102	106
85°	28	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9216.7
2.5°	9475.8
5°	9407.5
7.5°	9429.1
10°	9412.3
12.5°	9217.9
15°	8794.5
17.5°	8226.0
20°	7543.5
22.5°	6813.0
25°	5884.6
27.5°	4706.7
30°	3803.5
32.5°	2931.5
35°	1802.8
37.5°	771.3
40°	273.5
42.5°	251.9
45°	247.1
47.5°	238.7
50°	229.1
52.5°	218.3
55°	207.5
57.5°	196.7
60°	185.9
62.5°	173.9
65°	160.7
67.5°	147.5
70°	133.1
72.5°	117.5
75°	102.0
77.5°	84.0
80°	66.0
82.5°	46.8
85°	27.6
87.5°	9.6
90°	0.0



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— 0°-180°







(END OF REPORT)