

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: P752718

Luminaire Tested: LD4D70BD010-EU4DR6070959035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752718
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: LD4D70BD010-EU4DR6070959035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6225.0 lumens
Efficiency: N/A
Efficacy: 93.5 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): 66.6
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

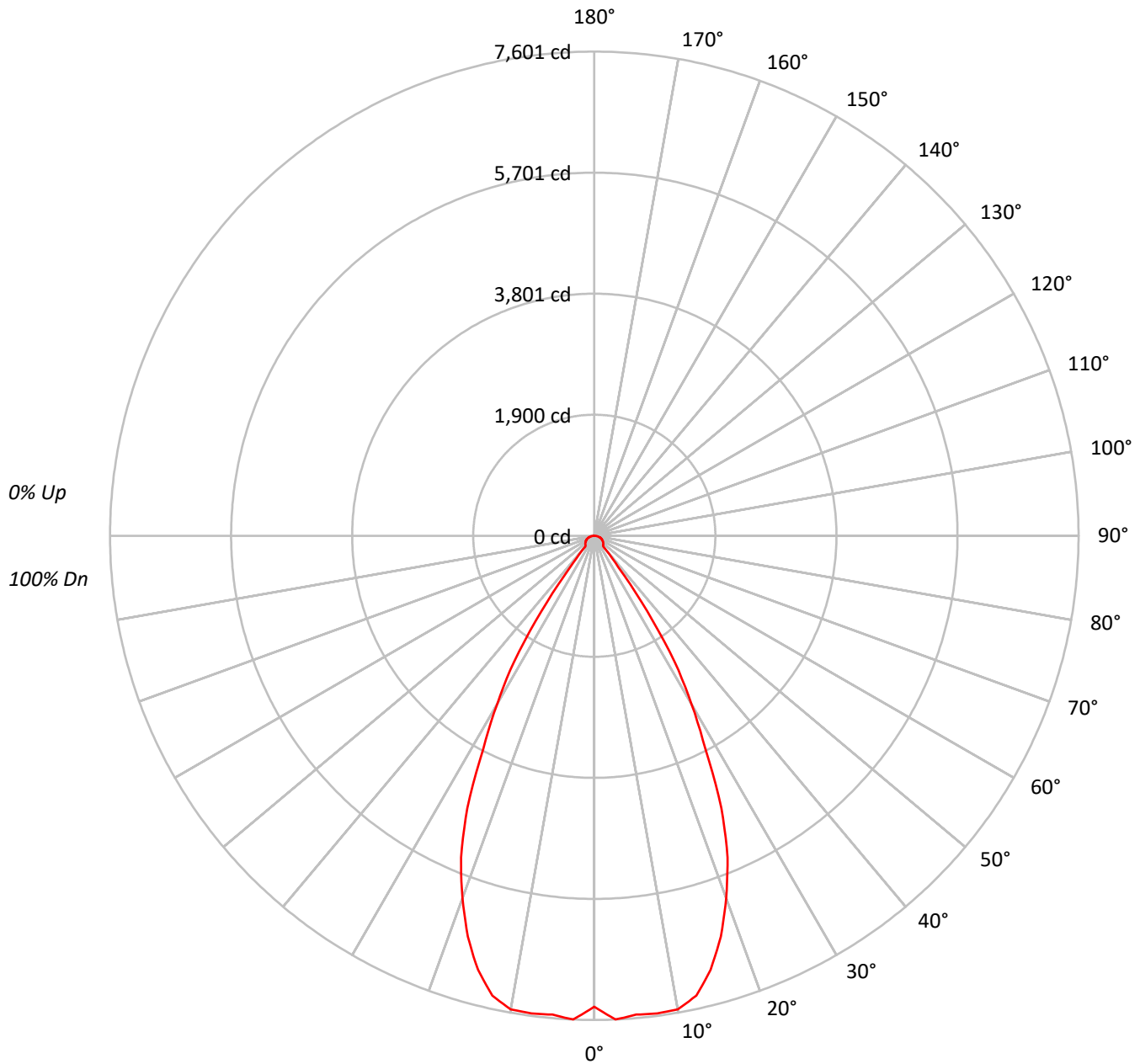


Downlight

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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°	807765
5°	827631
10°	837622
15°	797948
20°	703544
25°	569048
30°	384912
35°	192885
40°	31293
45°	30625
50°	31242
55°	31698
60°	32582
65°	33325
70°	34118
75°	34532
80°	33285
85°	27705

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 34532 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.2	11.6
10°-20°	1951.3	31.3
20°-30°	2099.4	33.7
30°-40°	912.6	14.7
40°-50°	153.3	2.5
50°-60°	149.0	2.4
60°-70°	127.4	2.0
70°-80°	85.3	1.4
80°-90°	25.5	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°	4771.9	76.7
0°-40°	5684.4	91.3
0°-60°	5986.7	96.2
0°-90°	6225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6225.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7393	
5°	7546	721
15°	7054	1951
25°	4720	2099
35°	1446	913
45°	198	153
55°	166	149
65°	129	127
75°	82	85
85°	22	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7393.0
2.5°	7600.8
5°	7546.0
7.5°	7563.3
10°	7549.8
12.5°	7394.0
15°	7054.3
17.5°	6598.3
20°	6050.8
22.5°	5464.9
25°	4720.2
27.5°	3775.4
30°	3050.9
32.5°	2351.4
35°	1446.1
37.5°	618.6
40°	219.4
42.5°	202.0
45°	198.2
47.5°	191.5
50°	183.8
52.5°	175.1
55°	166.4
57.5°	157.8
60°	149.1
62.5°	139.5
65°	128.9
67.5°	118.3
70°	106.8
72.5°	94.3
75°	81.8
77.5°	67.3
80°	52.9
82.5°	37.5
85°	22.1
87.5°	7.7
90°	0.0



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— 0°-180°







(END OF REPORT)