

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: P752744

Luminaire Tested: LD4D70BD010-EU4DR6070959050-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752744
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-EU4DR6070959050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6562.6 lumens
Efficiency: N/A
Efficacy: 98.5 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

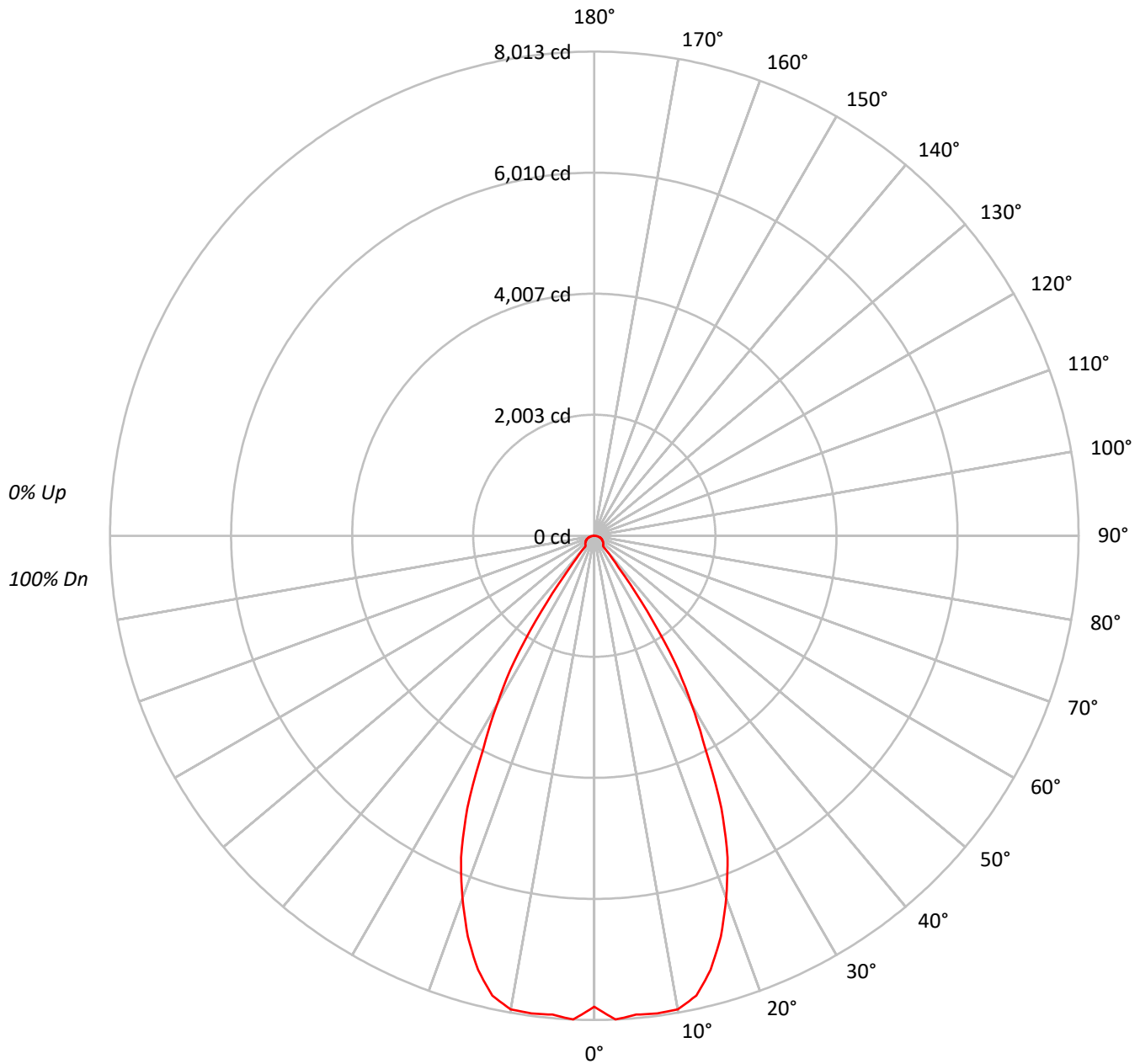


Downlight

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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	851567
5°	872511
10°	883044
15°	841225
20°	741693
25°	599910
30°	405792
35°	203342
40°	32990
45°	32279
50°	32925
55°	33431
60°	34352
65°	35135
70°	35971
75°	36389
80°	35110
85°	29209

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 36389 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	760.3	11.6
10°-20°	2057.1	31.3
20°-30°	2213.2	33.7
30°-40°	962.1	14.7
40°-50°	161.6	2.5
50°-60°	157.1	2.4
60°-70°	134.4	2.0
70°-80°	89.9	1.4
80°-90°	26.9	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°	5030.6	76.7
0°-40°	5992.7	91.3
0°-60°	6311.4	96.2
0°-90°	6562.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6562.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7794	
5°	7955	760
15°	7437	2057
25°	4976	2213
35°	1524	962
45°	209	162
55°	176	157
65°	136	134
75°	86	90
85°	23	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7793.9
2.5°	8013.0
5°	7955.2
7.5°	7973.4
10°	7959.2
12.5°	7794.9
15°	7436.9
17.5°	6956.1
20°	6378.9
22.5°	5761.2
25°	4976.2
27.5°	3980.1
30°	3216.4
32.5°	2479.0
35°	1524.5
37.5°	652.2
40°	231.3
42.5°	213.0
45°	208.9
47.5°	201.8
50°	193.7
52.5°	184.6
55°	175.5
57.5°	166.3
60°	157.2
62.5°	147.1
65°	135.9
67.5°	124.8
70°	112.6
72.5°	99.4
75°	86.2
77.5°	71.0
80°	55.8
82.5°	39.6
85°	23.3
87.5°	8.1
90°	0.0



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— 0°-180°







(END OF REPORT)