

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: P752679

Luminaire Tested: LD4D70BD010-EU4DR6070959024-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752679
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-EU4DR6070959024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5278.5 lumens
Efficiency: N/A
Efficacy: 79.3 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

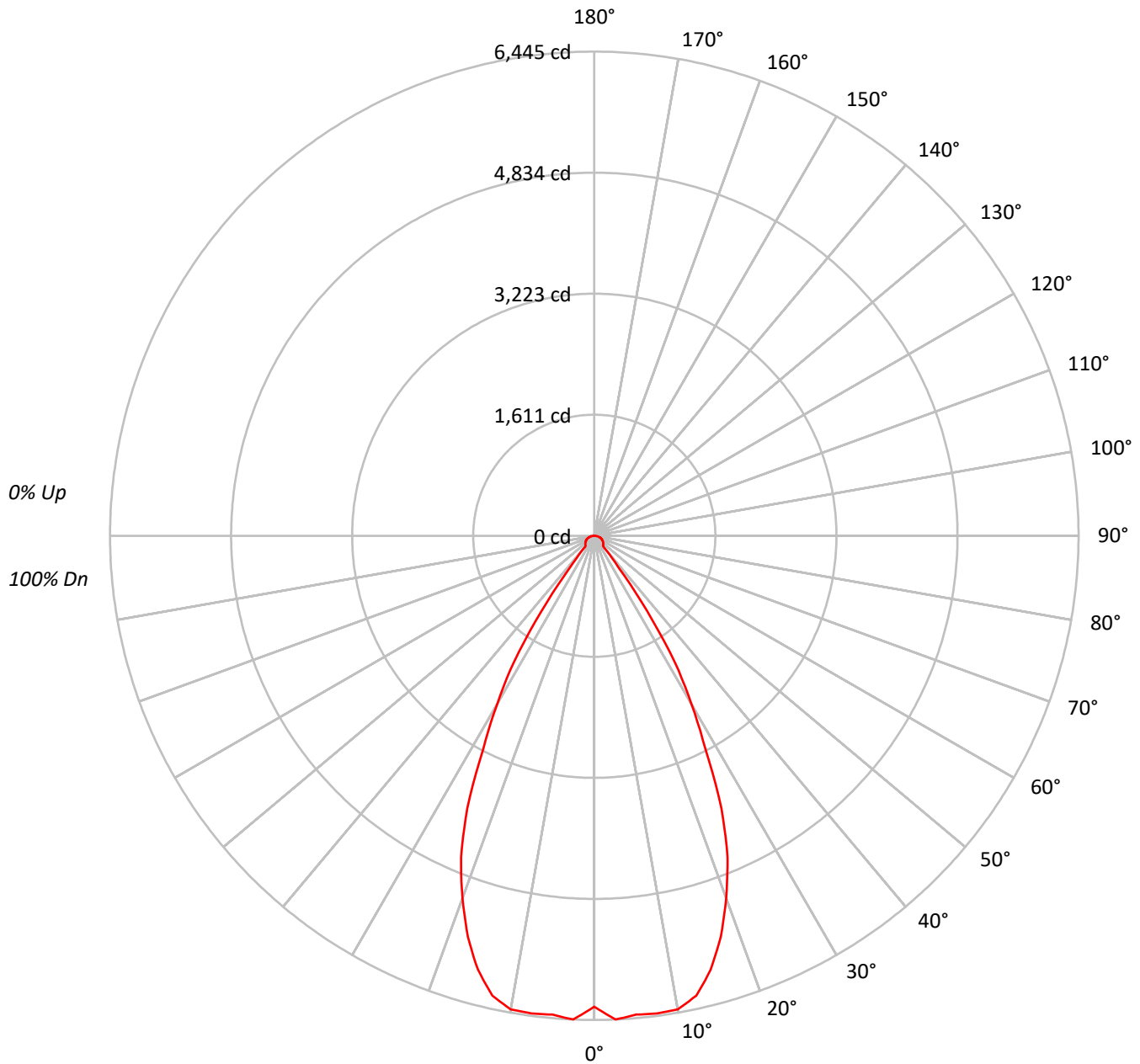


Downlight

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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°	684945
5°	701797
10°	710267
15°	676632
20°	596573
25°	482525
30°	326385
35°	163554
40°	26529
45°	25974
50°	26483
55°	26878
60°	27643
65°	28258
70°	28943
75°	29255
80°	28251
85°	23568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 29255 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	611.5	11.6
10°-20°	1654.6	31.3
20°-30°	1780.2	33.7
30°-40°	773.8	14.7
40°-50°	130.0	2.5
50°-60°	126.4	2.4
60°-70°	108.1	2.0
70°-80°	72.3	1.4
80°-90°	21.6	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°	4046.3	76.7
0°-40°	4820.2	91.3
0°-60°	5076.5	96.2
0°-90°	5278.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5278.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6269	
5°	6399	612
15°	5982	1655
25°	4002	1780
35°	1226	774
45°	168	130
55°	141	126
65°	109	108
75°	69	72
85°	19	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6268.9
2.5°	6445.2
5°	6398.7
7.5°	6413.3
10°	6401.9
12.5°	6269.8
15°	5981.8
17.5°	5595.1
20°	5130.8
22.5°	4634.0
25°	4002.5
27.5°	3201.4
30°	2587.0
32.5°	1993.9
35°	1226.2
37.5°	524.6
40°	186.0
42.5°	171.3
45°	168.1
47.5°	162.4
50°	155.8
52.5°	148.5
55°	141.1
57.5°	133.8
60°	126.5
62.5°	118.3
65°	109.3
67.5°	100.3
70°	90.6
72.5°	80.0
75°	69.3
77.5°	57.1
80°	44.9
82.5°	31.8
85°	18.8
87.5°	6.5
90°	0.0



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— 0°-180°







(END OF REPORT)