

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: P752692

Luminaire Tested: LD4D70BD010-EU4DR6070959027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752692
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-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: 5979.4 lumens
Efficiency: N/A
Efficacy: 89.8 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

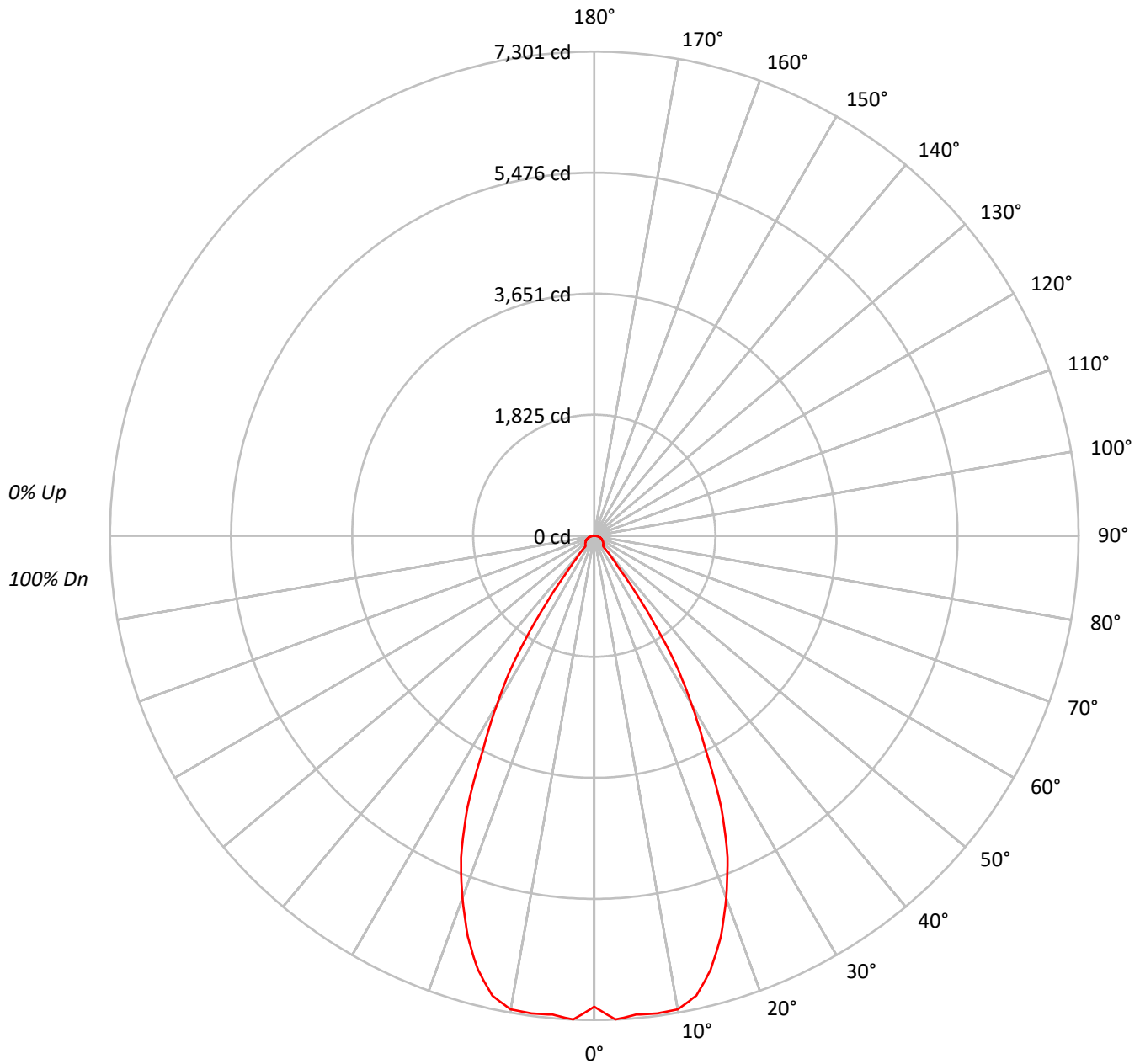


Downlight

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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°	775893
5°	794980
10°	804582
15°	766468
20°	675790
25°	546600
30°	369722
35°	185269
40°	30052
45°	29420
50°	30001
55°	30459
60°	31292
65°	32006
70°	32776
75°	33181
80°	31964
85°	26702

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 33181 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.8	11.6
10°-20°	1874.3	31.3
20°-30°	2016.6	33.7
30°-40°	876.6	14.7
40°-50°	147.2	2.5
50°-60°	143.2	2.4
60°-70°	122.4	2.0
70°-80°	81.9	1.4
80°-90°	24.5	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°	4583.6	76.7
0°-40°	5460.2	91.3
0°-60°	5750.6	96.2
0°-90°	5979.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5979.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7101	
5°	7248	693
15°	6776	1874
25°	4534	2017
35°	1389	877
45°	190	147
55°	160	143
65°	124	122
75°	79	82
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7101.3
2.5°	7300.9
5°	7248.3
7.5°	7264.9
10°	7252.0
12.5°	7102.3
15°	6776.0
17.5°	6338.0
20°	5812.1
22.5°	5249.3
25°	4534.0
27.5°	3626.4
30°	2930.5
32.5°	2258.7
35°	1389.0
37.5°	594.2
40°	210.7
42.5°	194.1
45°	190.4
47.5°	183.9
50°	176.5
52.5°	168.2
55°	159.9
57.5°	151.6
60°	143.2
62.5°	134.0
65°	123.8
67.5°	113.7
70°	102.6
72.5°	90.6
75°	78.6
77.5°	64.7
80°	50.8
82.5°	36.0
85°	21.3
87.5°	7.4
90°	0.0



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— 0°-180°







(END OF REPORT)