

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: P752770

Luminaire Tested: LD4D70BD010-EU4DR6570959027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6570959027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4977.6 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

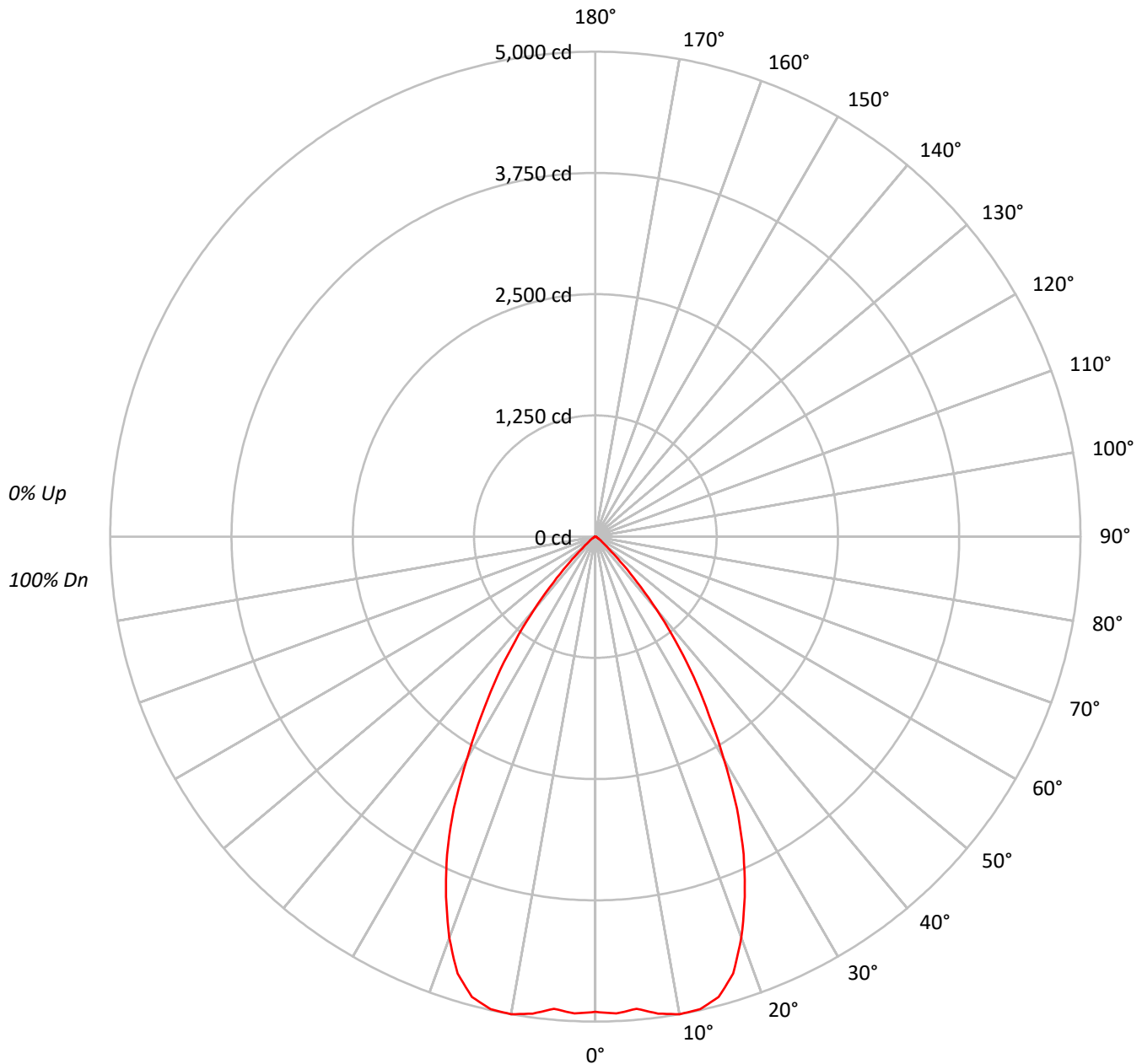


Downlight

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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	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	535465
5°	535909
10°	554776
15°	555700
20°	511612
25°	435918
30°	333715
35°	235767
40°	139164
45°	56492
50°	20483
55°	11410
60°	6534
65°	3594
70°	3770
75°	2955
80°	3083
85°	2633

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56492 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.9	9.5
10°-20°	1361.2	27.3
20°-30°	1633.2	32.8
30°-40°	1097.6	22.1
40°-50°	328.6	6.6
50°-60°	58.0	1.2
60°-70°	16.5	0.3
70°-80°	8.1	0.2
80°-90°	2.6	0.1
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°	3466.4	69.6
0°-40°	4563.9	91.7
0°-60°	4950.5	99.5
0°-90°	4977.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4977.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4901	
5°	4886	472
15°	4913	1361
25°	3616	1633
35°	1768	1098
45°	366	329
55°	60	58
65°	14	16
75°	7	8
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4900.8
2.5°	4921.7
5°	4886.2
7.5°	4960.0
10°	5000.4
12.5°	4990.7
15°	4912.7
17.5°	4721.8
20°	4400.1
22.5°	4021.2
25°	3615.9
27.5°	3158.3
30°	2645.1
32.5°	2179.8
35°	1767.6
37.5°	1360.1
40°	975.7
42.5°	637.2
45°	365.6
47.5°	193.6
50°	120.5
52.5°	83.6
55°	59.9
57.5°	43.2
60°	29.9
62.5°	19.5
65°	13.9
67.5°	12.5
70°	11.8
72.5°	9.1
75°	7.0
77.5°	6.3
80°	4.9
82.5°	3.5
85°	2.1
87.5°	1.4
90°	0.0



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— 0°-180°







(END OF REPORT)