

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: P752813

Luminaire Tested: LD4D70BD010-EU4DR6570959040-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P752813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6570959040-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6288.5 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

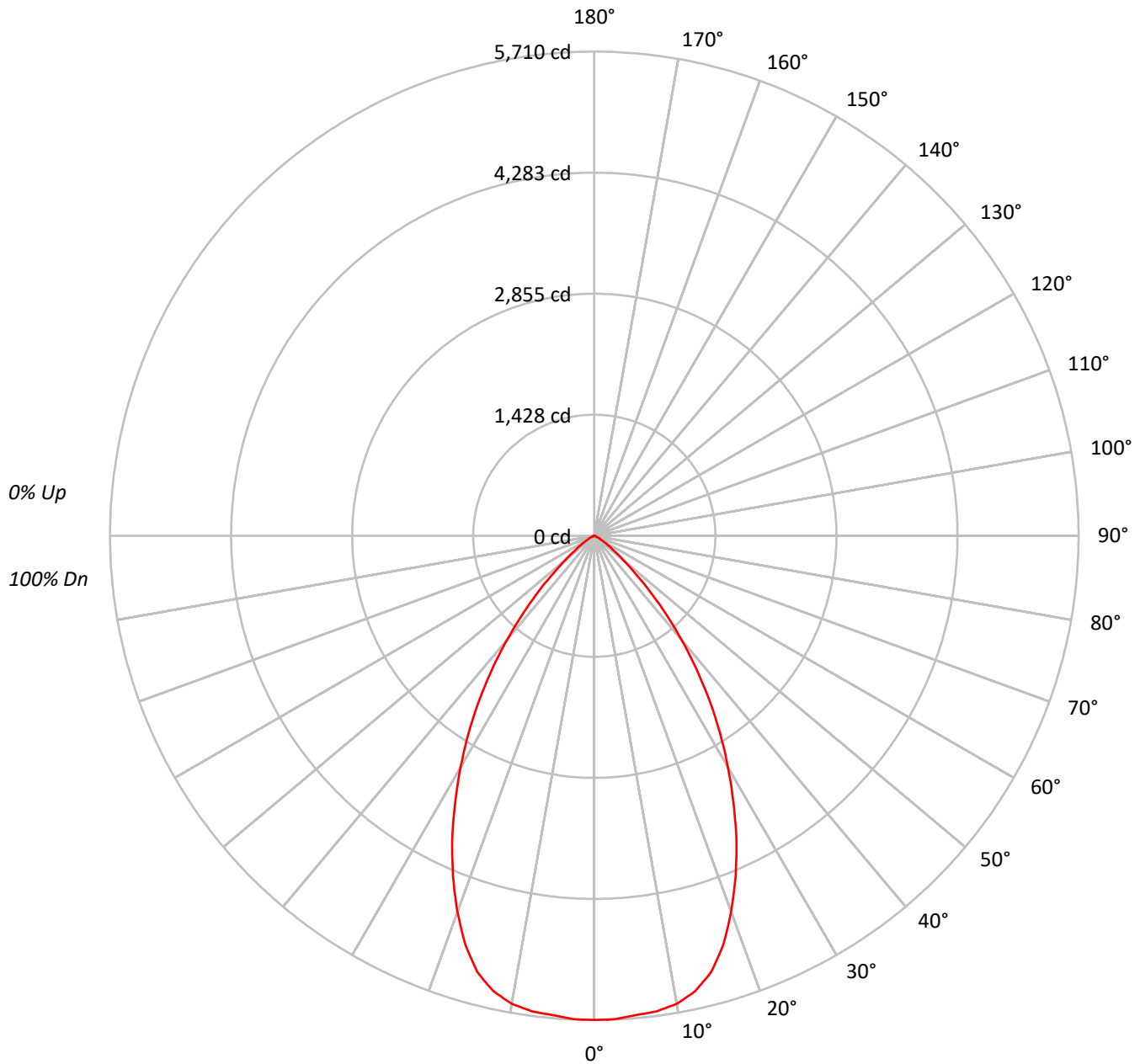


Downlight

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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	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	333469
5°	332626
10°	332344
15°	322098
20°	293234
25°	255530
30°	212534
35°	168399
40°	121543
45°	76789
50°	40024
55°	21271
60°	11179
65°	6150
70°	2578
75°	2843
80°	1984
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 76789 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.0	8.6
10°-20°	1478.6	23.5
20°-30°	1807.4	28.7
30°-40°	1466.5	23.3
40°-50°	730.8	11.6
50°-60°	203.8	3.2
60°-70°	46.3	0.7
70°-80°	12.1	0.2
80°-90°	3.1	0.0
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°	3825.9	60.8
0°-40°	5292.4	84.2
0°-60°	6227.0	99.0
0°-90°	6288.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6288.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5710	
5°	5674	540
15°	5327	1479
25°	3965	1807
35°	2362	1466
45°	930	731
55°	209	204
65°	44	46
75°	13	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5709.7
2.5°	5705.5
5°	5673.6
7.5°	5655.2
10°	5604.0
12.5°	5500.0
15°	5327.1
17.5°	5056.9
20°	4718.0
22.5°	4352.1
25°	3965.3
27.5°	3551.7
30°	3151.5
32.5°	2756.3
35°	2361.9
37.5°	1968.4
40°	1594.2
42.5°	1243.5
45°	929.7
47.5°	647.7
50°	440.5
52.5°	303.7
55°	208.9
57.5°	141.0
60°	95.7
62.5°	66.3
65°	44.5
67.5°	22.7
70°	15.1
72.5°	14.3
75°	12.6
77.5°	8.4
80°	5.9
82.5°	4.2
85°	2.5
87.5°	1.7
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)