

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: P752150

Luminaire Tested: LD4D70BD010-EU4DR2570959027-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR2570959027-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5883.3 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
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

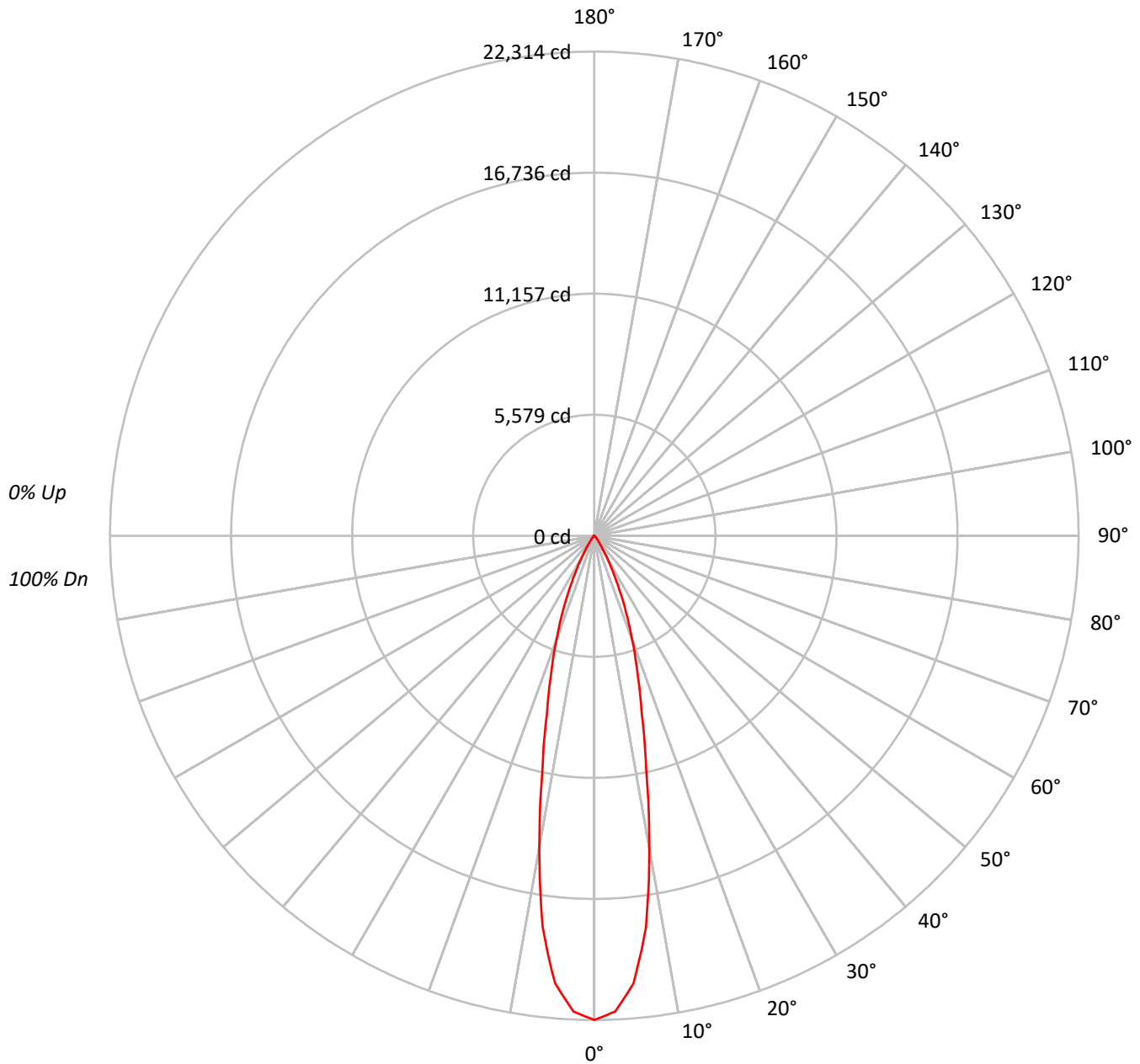


Downlight

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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	109		112	110	109	107		106	105	104		103	102	101		99	99	98
2	111	107	104	101		109	105	102	100		102	100	98		99	97	96		97	95	94
3	107	102	98	95		105	101	97	94		98	95	93		96	93	91		94	92	90
4	103	97	93	90		102	96	93	90		94	91	89		93	90	88		91	89	87
5	100	93	89	86		98	93	89	86		91	87	85		89	86	84		88	85	83
6	97	90	85	82		95	89	85	82		88	84	81		87	83	81		85	83	80
7	93	87	82	79		92	86	82	79		85	81	78		84	80	78		83	80	78
8	91	84	79	76		90	83	79	76		82	78	76		81	78	75		80	77	75
9	88	81	76	73		87	80	76	73		80	76	73		79	75	73		78	75	73
10	85	78	74	71		85	78	74	71		77	73	71		76	73	71		76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2438055
5°	2270743
10°	1619782
15°	953990
20°	593585
25°	325766
30°	148974
35°	56421
40°	25545
45°	15359
50°	6374
55°	4115
60°	2863
65°	1939
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15359 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1779.3	30.2
10°-20°	2410.0	41.0
20°-30°	1275.3	21.7
30°-40°	314.8	5.4
40°-50°	76.8	1.3
50°-60°	20.2	0.3
60°-70°	6.8	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	5464.6	92.9
0°-40°	5779.4	98.2
0°-60°	5876.4	99.9
0°-90°	5883.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5883.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22314	
5°	20704	###
15°	8434	2410
25°	2702	1275
35°	423	315
45°	99	77
55°	22	20
65°	8	7
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22314.1
2.5°	21947.4
5°	20703.7
7.5°	18205.1
10°	14599.7
12.5°	11036.5
15°	8433.8
17.5°	6573.0
20°	5105.1
22.5°	3828.6
25°	2702.2
27.5°	1812.1
30°	1180.8
32.5°	718.4
35°	423.0
37.5°	258.9
40°	179.1
42.5°	136.9
45°	99.4
47.5°	60.0
50°	37.5
52.5°	27.2
55°	21.6
57.5°	16.9
60°	13.1
62.5°	10.3
65°	7.5
67.5°	2.8
70°	0.9
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





— 0°-180°







(END OF REPORT)