

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: P752826

Luminaire Tested: LD4D70BD010-EU4DR6570959050-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P752826
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-EU4DR6570959050-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6333.4 lumens
Efficiency: N/A
Efficacy: 95.1 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

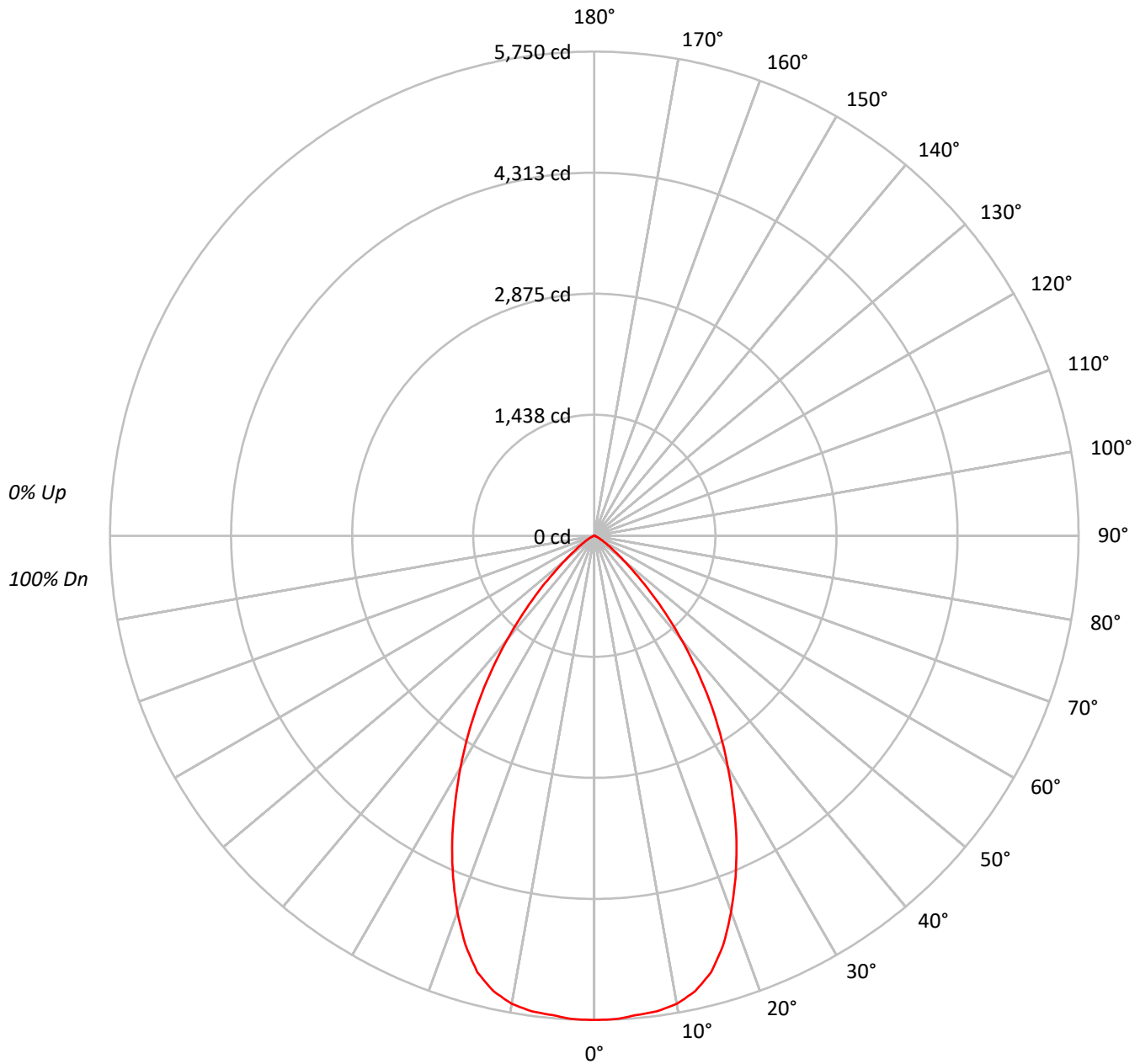


Downlight

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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°	335851
5°	335006
10°	334717
15°	324402
20°	295328
25°	257360
30°	214051
35°	169604
40°	122412
45°	77334
50°	40306
55°	21424
60°	11249
65°	6191
70°	2596
75°	2866
80°	1984
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 77334 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.8	8.6
10°-20°	1489.2	23.5
20°-30°	1820.3	28.7
30°-40°	1476.9	23.3
40°-50°	736.0	11.6
50°-60°	205.3	3.2
60°-70°	46.7	0.7
70°-80°	12.2	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°	3853.3	60.8
0°-40°	5330.2	84.2
0°-60°	6271.5	99.0
0°-90°	6333.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6333.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5750	
5°	5714	544
15°	5365	1489
25°	3994	1820
35°	2379	1477
45°	936	736
55°	210	205
65°	45	47
75°	13	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5750.5
2.5°	5746.3
5°	5714.2
7.5°	5695.6
10°	5644.0
12.5°	5539.2
15°	5365.2
17.5°	5093.1
20°	4751.7
22.5°	4383.2
25°	3993.7
27.5°	3577.1
30°	3174.0
32.5°	2776.0
35°	2378.8
37.5°	1982.5
40°	1605.6
42.5°	1252.4
45°	936.3
47.5°	652.4
50°	443.6
52.5°	305.9
55°	210.4
57.5°	142.0
60°	96.3
62.5°	66.8
65°	44.8
67.5°	22.8
70°	15.2
72.5°	14.4
75°	12.7
77.5°	8.5
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)