

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: P752817

Luminaire Tested: LD4D70BD010-EU4DR6570959050-4LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P752817
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-EU4DR6570959050-4LBCSSQMMMS
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

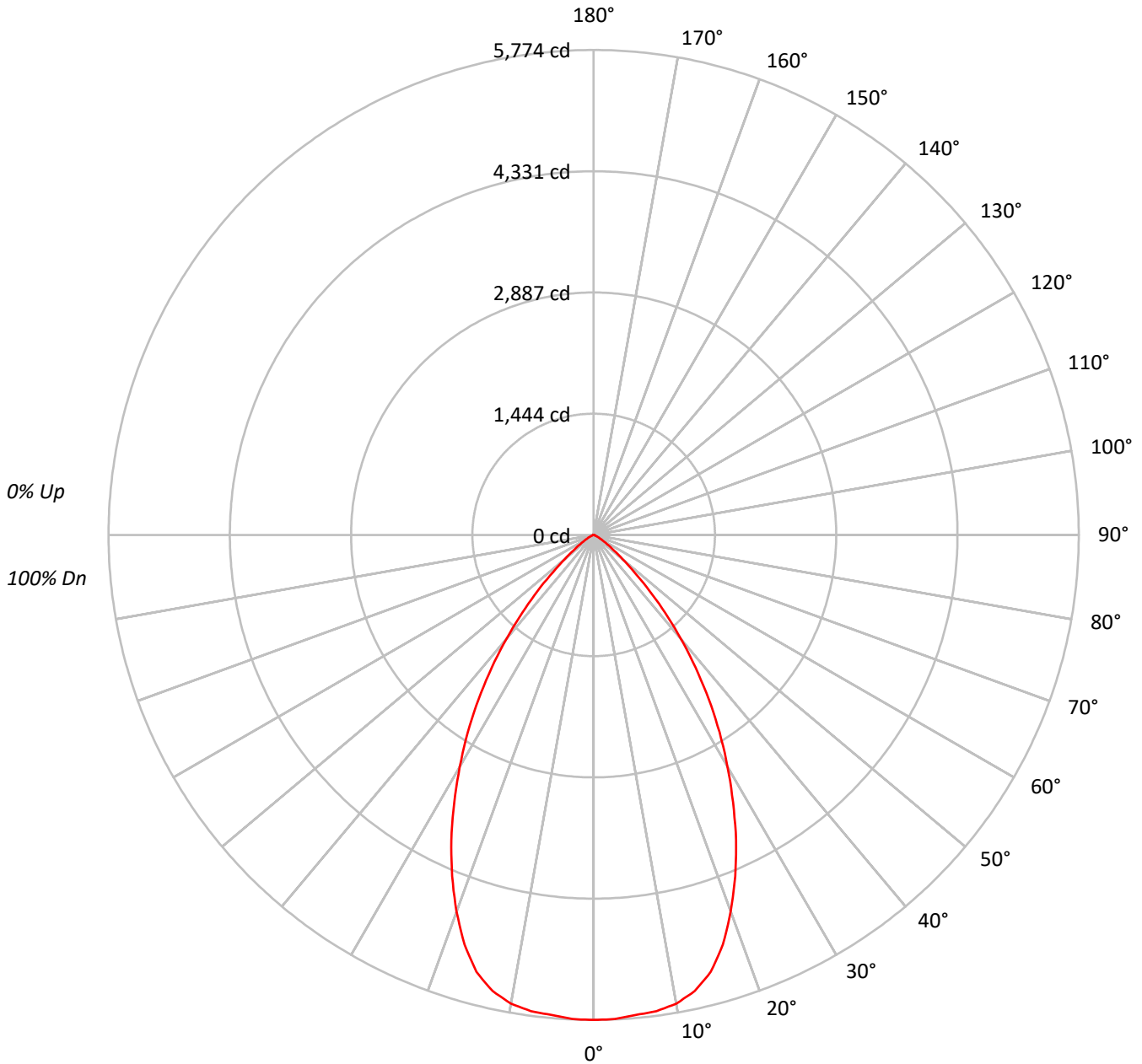
Lumens per Lamp: N/A
Luminaire Lumens: 6358.7 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

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



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72	72	72	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61	61	61	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56	56	56	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49	49	49	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	337195
5°	336349
10°	336057
15°	325702
20°	296509
25°	258391
30°	214908
35°	170281
40°	122900
45°	77648
50°	40469
55°	21515
60°	11295
65°	6219
70°	2613
75°	2866
80°	1984
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 77648 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.0	8.6
10°-20°	1495.1	23.5
20°-30°	1827.6	28.7
30°-40°	1482.8	23.3
40°-50°	738.9	11.6
50°-60°	206.1	3.2
60°-70°	46.8	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°	3868.7	60.8
0°-40°	5351.6	84.2
0°-60°	6296.6	99.0
0°-90°	6358.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6358.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5774	
5°	5737	546
15°	5387	1495
25°	4010	1828
35°	2388	1483
45°	940	739
55°	211	206
65°	45	47
75°	13	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5773.5
2.5°	5769.3
5°	5737.1
7.5°	5718.4
10°	5666.6
12.5°	5561.4
15°	5386.7
17.5°	5113.5
20°	4770.7
22.5°	4400.8
25°	4009.7
27.5°	3591.4
30°	3186.7
32.5°	2787.1
35°	2388.3
37.5°	1990.4
40°	1612.0
42.5°	1257.4
45°	940.1
47.5°	655.0
50°	445.4
52.5°	307.1
55°	211.3
57.5°	142.5
60°	96.7
62.5°	67.0
65°	45.0
67.5°	22.9
70°	15.3
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

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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