

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: P752428

Luminaire Tested: LD4D70BD010-EU4DR4070959050-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR4070959050-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7141.8 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

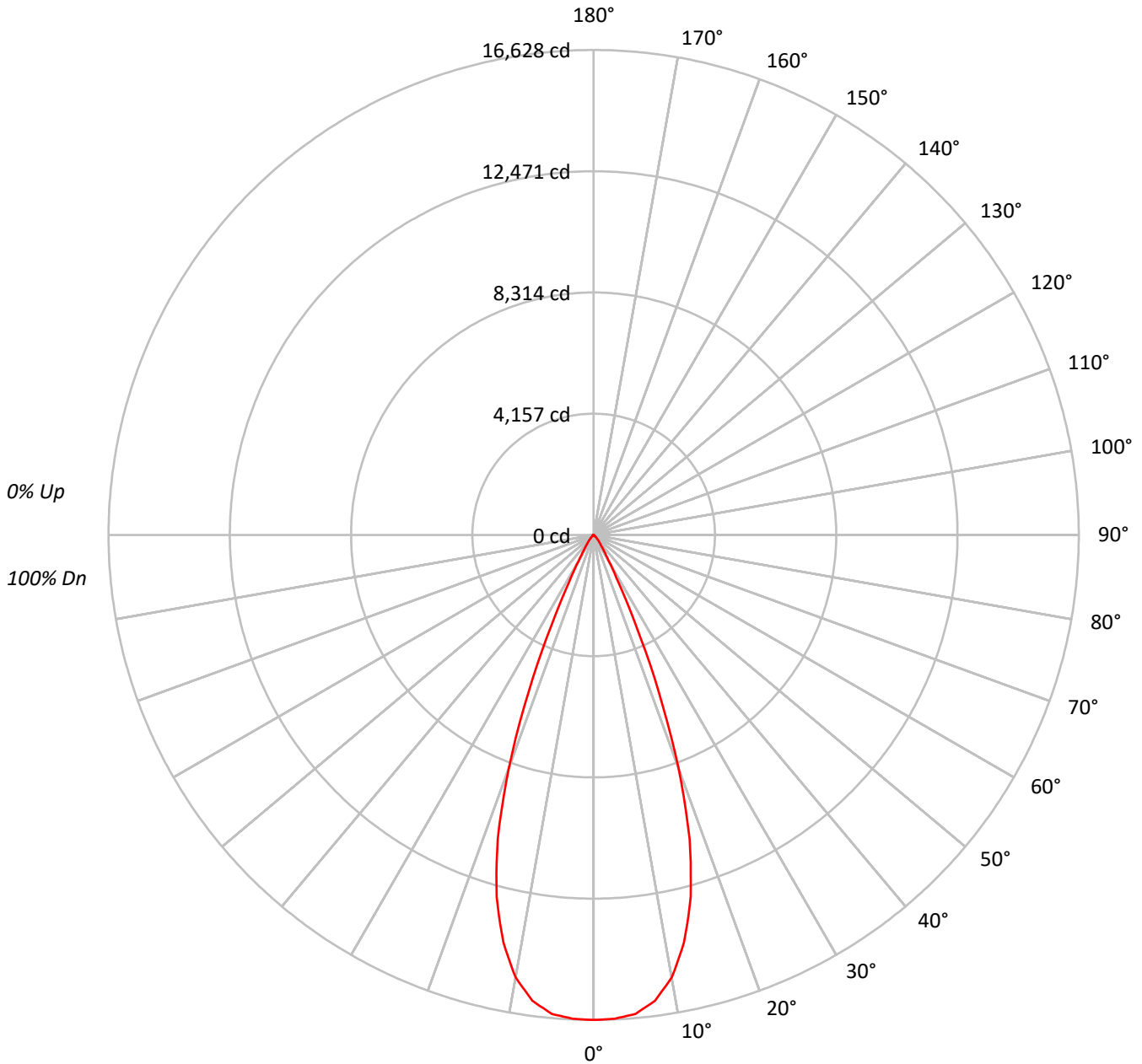
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96	96	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	92	92
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88	88	88
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	84	84
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81	81	81
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77	77	77
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74	74	74
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	72	72
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69	69	69
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67	67	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1816777
5°	1807945
10°	1708906
15°	1452782
20°	990180
25°	413145
30°	129911
35°	60382
40°	33390
45°	15313
50°	7428
55°	4076
60°	2120
65°	750
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15313 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1539.2	21.6
10°-20°	3448.2	48.3
20°-30°	1726.1	24.2
30°-40°	316.4	4.4
40°-50°	87.3	1.2
50°-60°	20.5	0.3
60°-70°	3.9	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°	6713.5	94.0
0°-40°	7029.9	98.4
0°-60°	7137.7	99.9
0°-90°	7141.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7141.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16628	
5°	16484	###
15°	12843	3448
25°	3427	1726
35°	453	316
45°	99	87
55°	21	21
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16627.9
2.5°	16603.6
5°	16484.1
7.5°	16103.4
10°	15403.0
12.5°	14311.2
15°	12843.4
17.5°	10934.7
20°	8516.0
22.5°	5805.9
25°	3427.0
27.5°	1811.6
30°	1029.7
32.5°	665.4
35°	452.7
37.5°	323.5
40°	234.1
42.5°	160.3
45°	99.1
47.5°	63.1
50°	43.7
52.5°	31.1
55°	21.4
57.5°	13.6
60°	9.7
62.5°	5.8
65°	2.9
67.5°	1.9
70°	1.0
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

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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