

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: P750478

Luminaire Tested: LD4D55D010-EU4DR6555659050-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P750478
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: LD4D55D010-EU4DR6555659050-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST 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: 5225.1 lumens
Efficiency: N/A
Efficacy: 89.8 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

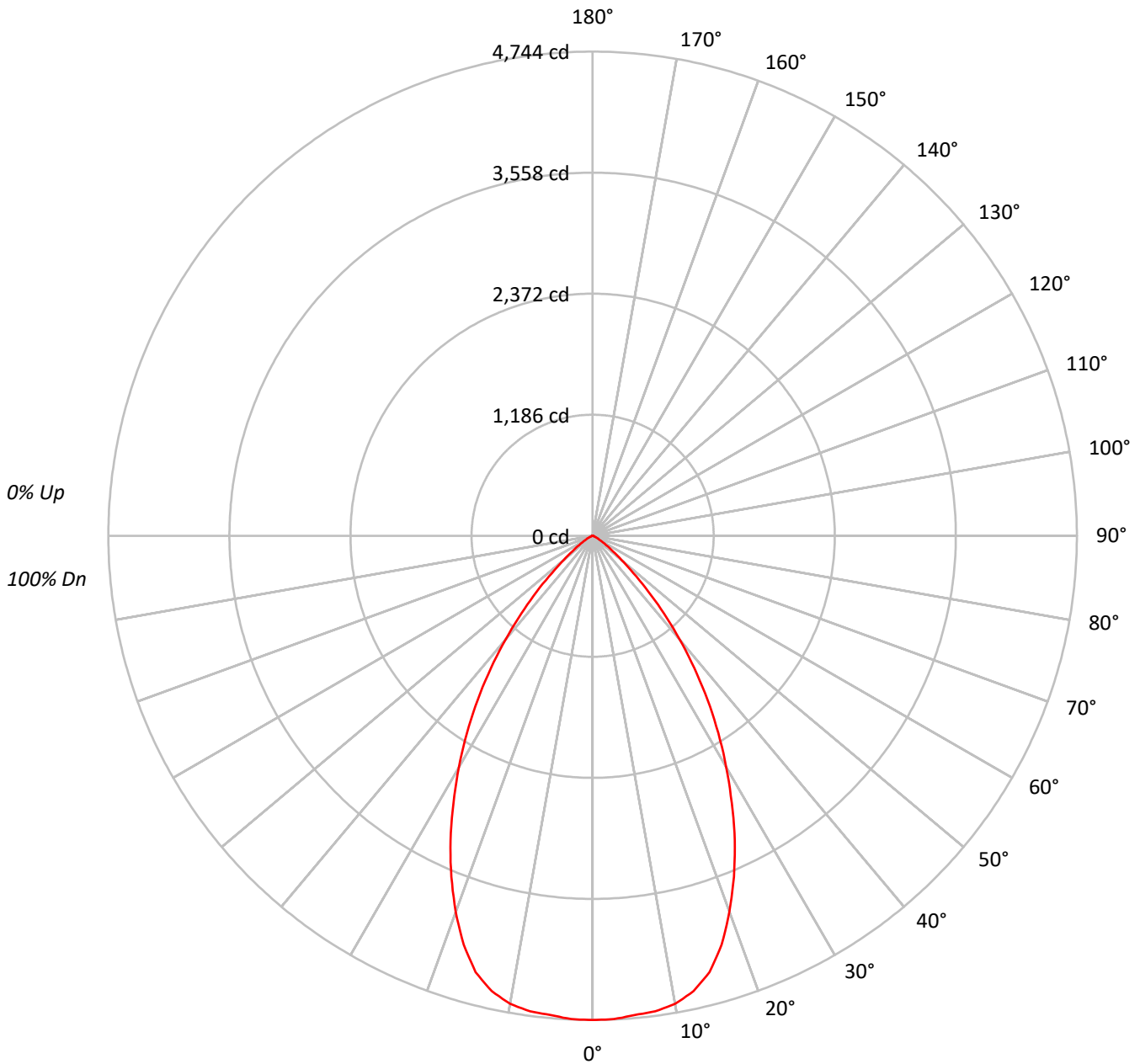
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	277080
5°	276379
10°	276141
15°	267632
20°	243642
25°	212322
30°	176589
35°	139922
40°	100989
45°	63805
50°	33255
55°	17677
60°	9286
65°	5099
70°	2135
75°	2369
80°	1648
85°	1407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 63805 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.6	8.6
10°-20°	1228.6	23.5
20°-30°	1501.7	28.7
30°-40°	1218.5	23.3
40°-50°	607.2	11.6
50°-60°	169.4	3.2
60°-70°	38.5	0.7
70°-80°	10.0	0.2
80°-90°	2.6	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°	3179.0	60.8
0°-40°	4397.4	84.2
0°-60°	5174.0	99.0
0°-90°	5225.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5225.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4744	
5°	4714	449
15°	4426	1229
25°	3295	1502
35°	1962	1218
45°	772	607
55°	174	169
65°	37	38
75°	10	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4744.2
2.5°	4740.7
5°	4714.2
7.5°	4698.9
10°	4656.3
12.5°	4569.9
15°	4426.3
17.5°	4201.8
20°	3920.1
22.5°	3616.2
25°	3294.8
27.5°	2951.1
30°	2618.5
32.5°	2290.2
35°	1962.5
37.5°	1635.5
40°	1324.6
42.5°	1033.2
45°	772.5
47.5°	538.2
50°	366.0
52.5°	252.4
55°	173.6
57.5°	117.1
60°	79.5
62.5°	55.1
65°	36.9
67.5°	18.8
70°	12.5
72.5°	11.9
75°	10.5
77.5°	7.0
80°	4.9
82.5°	3.5
85°	2.1
87.5°	1.4
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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