

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: P751606

Luminaire Tested: LD4D65D010-EU4DR4055659027-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P751606
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: LD4D65D010-EU4DR4055659027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6112.7 lumens
Efficiency: N/A
Efficacy: 84.0 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

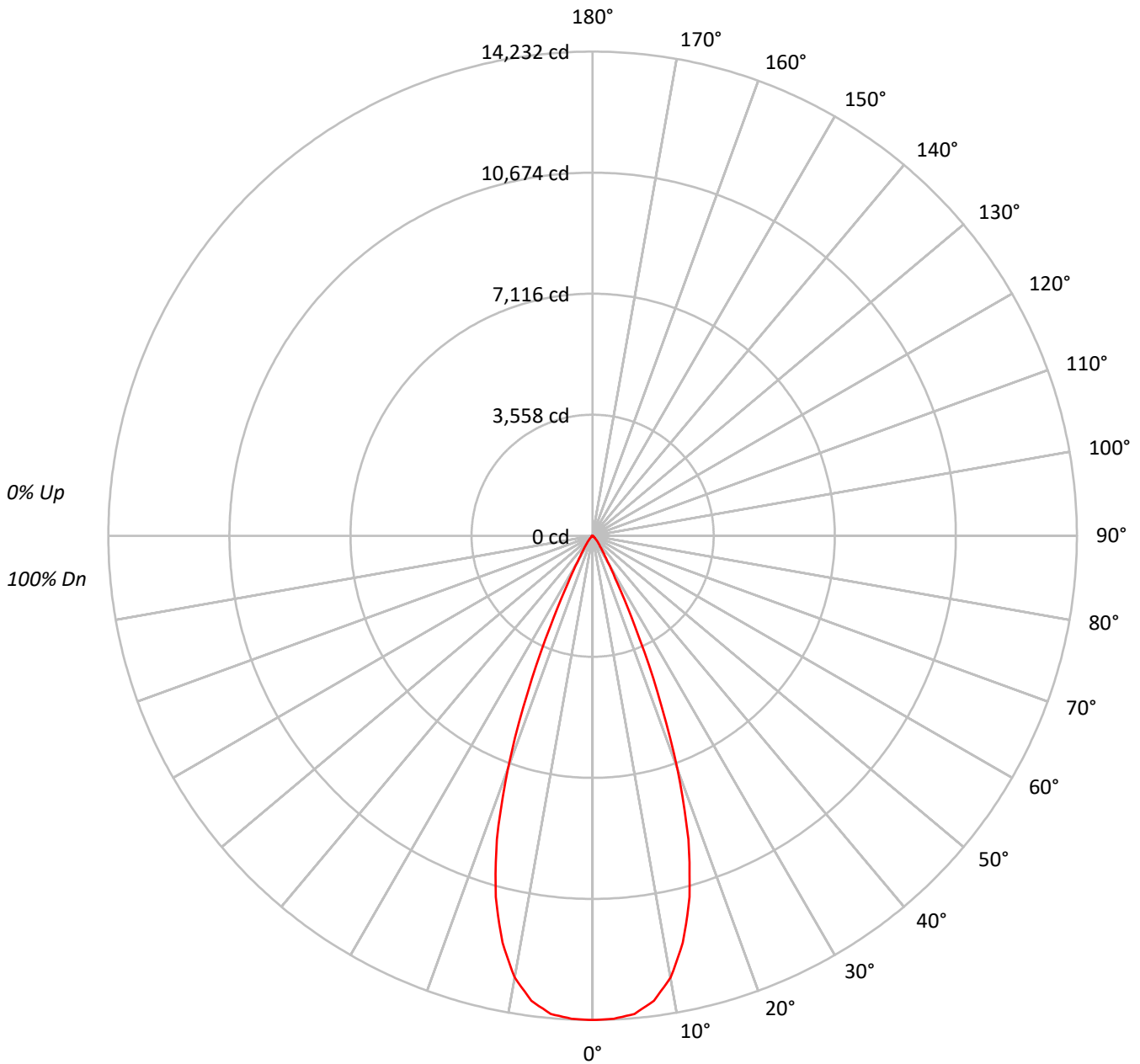
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96																												
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92																												
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88																												
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84																												
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81																												
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77																												
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74																												
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72																												
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69																												
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1554999
5°	1547438
10°	1462671
15°	1243451
20°	847501
25°	353615
30°	111188
35°	51672
40°	28583
45°	13103
50°	6357
55°	3486
60°	1814
65°	646
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13103 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1317.4	21.6
10°-20°	2951.4	48.3
20°-30°	1477.4	24.2
30°-40°	270.8	4.4
40°-50°	74.7	1.2
50°-60°	17.5	0.3
60°-70°	3.4	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°	5746.1	94.0
0°-40°	6017.0	98.4
0°-60°	6109.2	99.9
0°-90°	6112.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6112.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14232	
5°	14109	###
15°	10993	2951
25°	2933	1477
35°	387	271
45°	85	75
55°	18	18
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14232.0
2.5°	14211.2
5°	14108.9
7.5°	13783.0
10°	13183.6
12.5°	12249.1
15°	10992.8
17.5°	9359.1
20°	7288.9
22.5°	4969.3
25°	2933.2
27.5°	1550.6
30°	881.3
32.5°	569.5
35°	387.4
37.5°	276.9
40°	200.4
42.5°	137.2
45°	84.8
47.5°	54.0
50°	37.4
52.5°	26.6
55°	18.3
57.5°	11.6
60°	8.3
62.5°	5.0
65°	2.5
67.5°	1.7
70°	0.8
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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