

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: P747319

Luminaire Tested: LD4D35BD010-EU4DR6520359030-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P747319
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: LD4D35BD010-EU4DR6520359030-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2864.6 lumens
Efficiency: N/A
Efficacy: 93.0 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

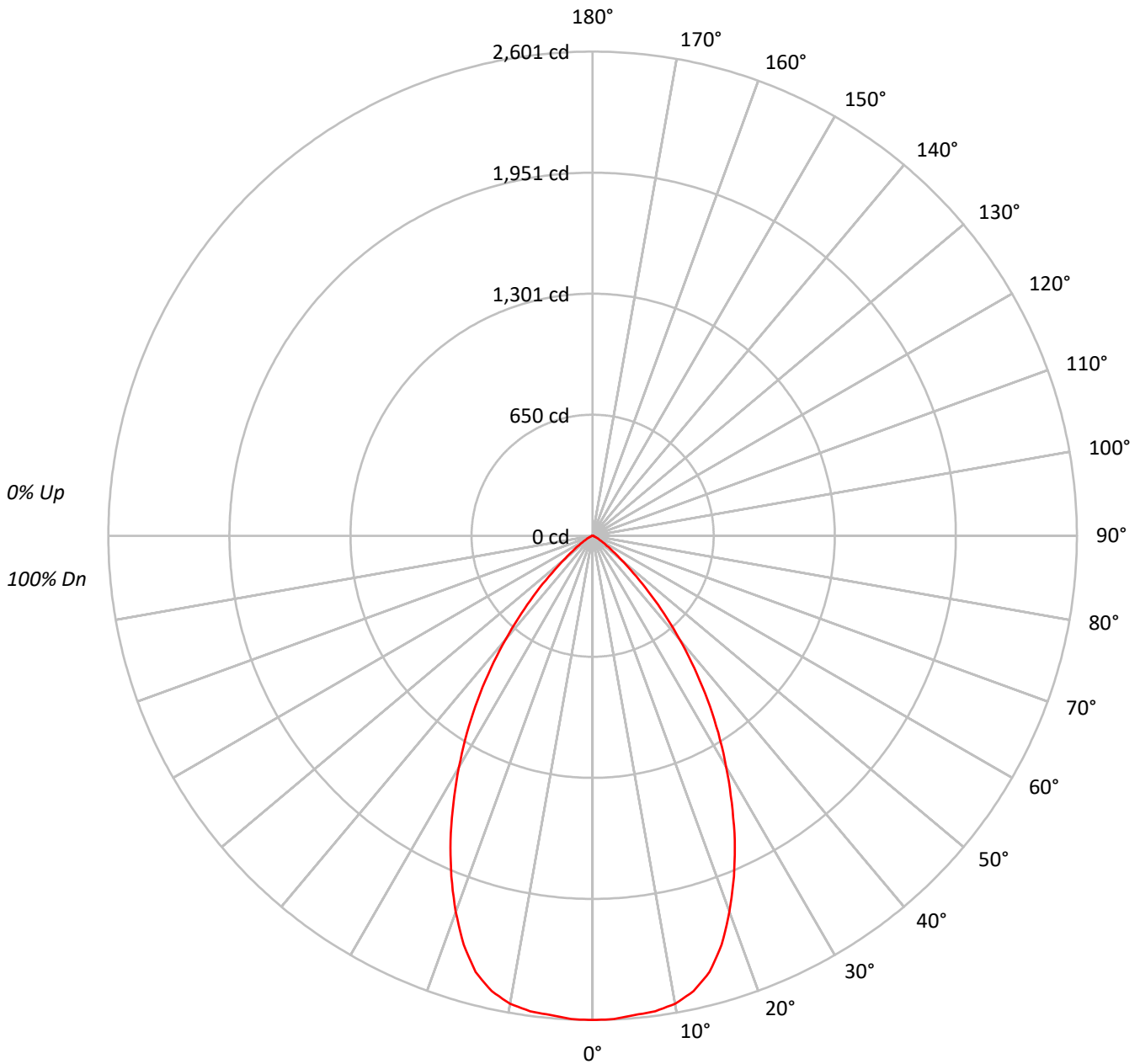
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
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		
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°	151903
5°	151521
10°	151393
15°	146722
20°	133571
25°	116401
30°	96815
35°	76709
40°	55366
45°	34979
50°	18236
55°	9694
60°	5093
65°	2805
70°	1178
75°	1286
80°	908
85°	737

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34979 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.0	8.6
10°-20°	673.5	23.5
20°-30°	823.3	28.7
30°-40°	668.0	23.3
40°-50°	332.9	11.6
50°-60°	92.9	3.2
60°-70°	21.1	0.7
70°-80°	5.5	0.2
80°-90°	1.4	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°	1742.8	60.8
0°-40°	2410.8	84.2
0°-60°	2836.6	99.0
0°-90°	2864.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2864.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2601	
5°	2584	246
15°	2427	674
25°	1806	823
35°	1076	668
45°	424	333
55°	95	93
65°	20	21
75°	6	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2600.9
2.5°	2599.0
5°	2584.5
7.5°	2576.1
10°	2552.8
12.5°	2505.4
15°	2426.6
17.5°	2303.6
20°	2149.1
22.5°	1982.5
25°	1806.3
27.5°	1617.9
30°	1435.6
32.5°	1255.5
35°	1075.9
37.5°	896.7
40°	726.2
42.5°	566.4
45°	423.5
47.5°	295.1
50°	200.7
52.5°	138.4
55°	95.2
57.5°	64.2
60°	43.6
62.5°	30.2
65°	20.3
67.5°	10.3
70°	6.9
72.5°	6.5
75°	5.7
77.5°	3.8
80°	2.7
82.5°	1.9
85°	1.1
87.5°	0.8
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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