

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



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: P746786

Luminaire Tested: LD4D35BD010-EU4DR3020359035-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P746786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D35BD010-EU4DR3020359035-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2880.2 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

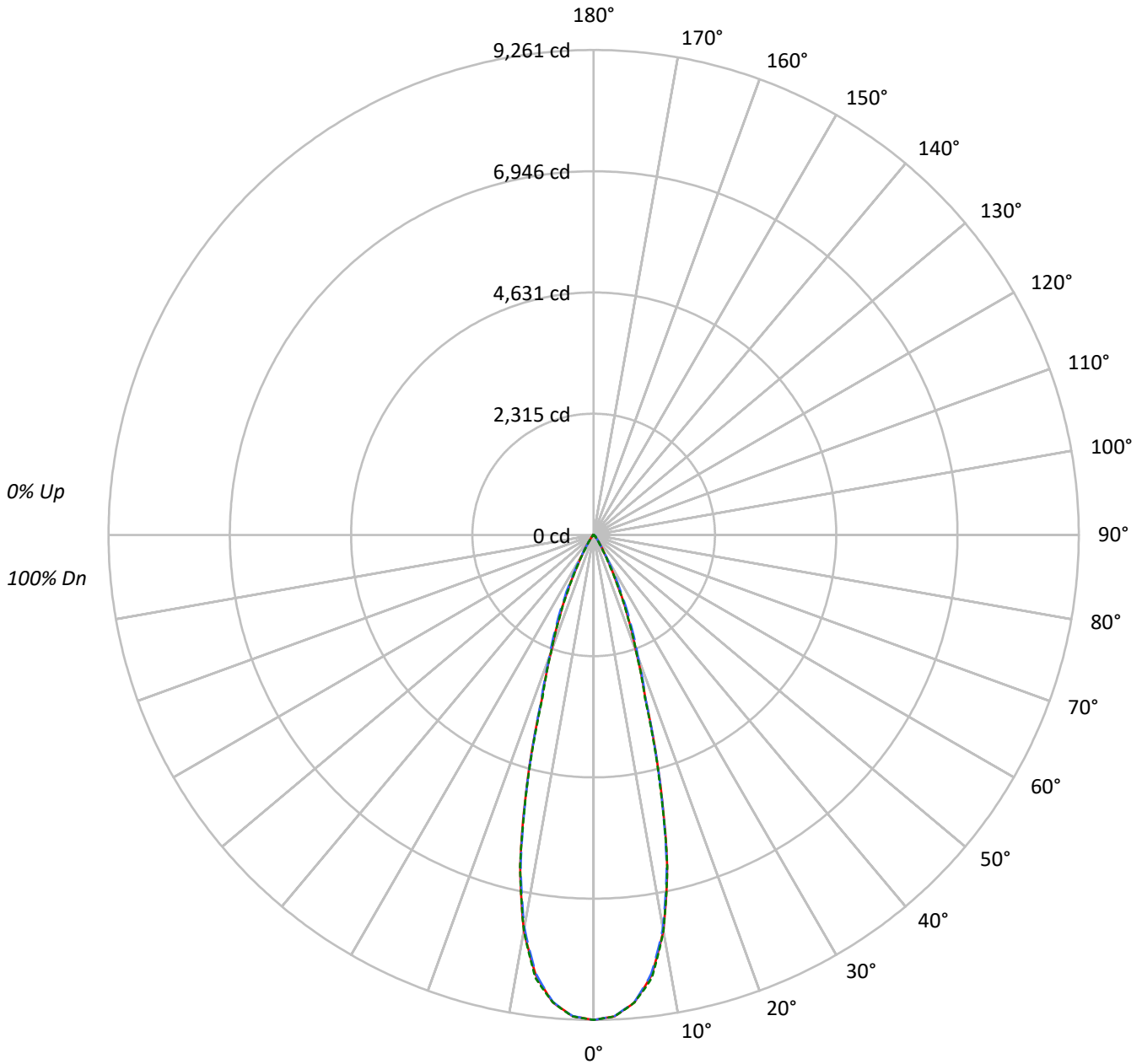
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	708884	708884	708884
5°	688533	687734	688572
10°	596378	592173	596238
15°	389110	387018	385068
20°	193482	200748	193221
25°	97463	109903	95469
30°	39022	42522	34002
35°	18100	17334	14530
40°	7814	8673	7364
45°	5510	6841	5564
50°	1893	4978	2001
55°	1094	2068	1148
60°	765	903	765
65°	489	489	489
70°	313	201	313
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6841 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	814.4	28.3
10°-20°	1311.6	45.5
20°-30°	566.8	19.7
30°-40°	129.2	4.5
40°-50°	44.4	1.5
50°-60°	10.8	0.4
60°-70°	2.8	0.1
70°-80°	0.3	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°	2692.7	93.5
0°-40°	2821.9	98.0
0°-60°	2877.1	99.9
0°-90°	2880.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2880.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9261	9261	9261	9261	9261	
5°	8961	8952	8951	8969	8962	815
15°	4910	4851	4884	4868	4859	1315
25°	1154	1198	1301	1167	1130	552
35°	194	198	186	184	156	131
45°	51	63	63	63	51	36
55°	8	9	16	9	9	8
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9261.2	9261.2	9261.2	9261.2	9261.2
2.5°	9199.9	9193.5	9197.1	9201.7	9203.5
5°	8961.1	8952.5	8950.7	8969.3	8961.6
7.5°	8479.6	8467.3	8448.7	8491.0	8530.5
10°	7673.0	7659.4	7618.9	7638.9	7671.2
12.5°	6482.1	6438.0	6437.1	6500.8	6492.1
15°	4910.3	4851.1	4883.9	4868.0	4859.3
17.5°	3302.0	3279.3	3322.9	3309.7	3252.9
20°	2375.3	2381.2	2464.5	2422.6	2372.1
22.5°	1733.3	1754.7	1853.3	1745.6	1706.0
25°	1154.0	1197.7	1301.3	1167.2	1130.4
27.5°	709.8	729.8	834.8	700.7	680.7
30°	441.5	431.5	481.1	412.9	384.7
32.5°	289.6	276.9	292.8	262.8	240.1
35°	193.7	197.8	185.5	184.2	155.5
37.5°	120.9	139.1	122.8	131.0	100.0
40°	78.2	100.9	86.8	95.9	73.7
42.5°	64.1	77.8	71.4	75.9	65.5
45°	50.9	63.2	63.2	63.2	51.4
47.5°	28.2	42.3	54.1	43.2	30.0
50°	15.9	21.4	41.8	22.3	16.8
52.5°	10.9	12.3	28.6	12.7	11.4
55°	8.2	8.6	15.5	9.1	8.6
57.5°	6.4	6.8	8.2	6.8	6.4
60°	5.0	5.0	5.9	5.5	5.0
62.5°	3.6	3.6	4.1	3.6	3.6
65°	2.7	2.7	2.7	2.7	2.7
67.5°	1.4	1.8	1.8	1.8	1.8
70°	1.4	0.9	0.9	0.9	1.4
72.5°	0.9	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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