

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: P747526

Luminaire Tested: LD4D40BD010-EU4DR3040509024-4LBCSSQMMS

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P747526
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: LD4D40BD010-EU4DR3040509024-4LBCSSQMMMS
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

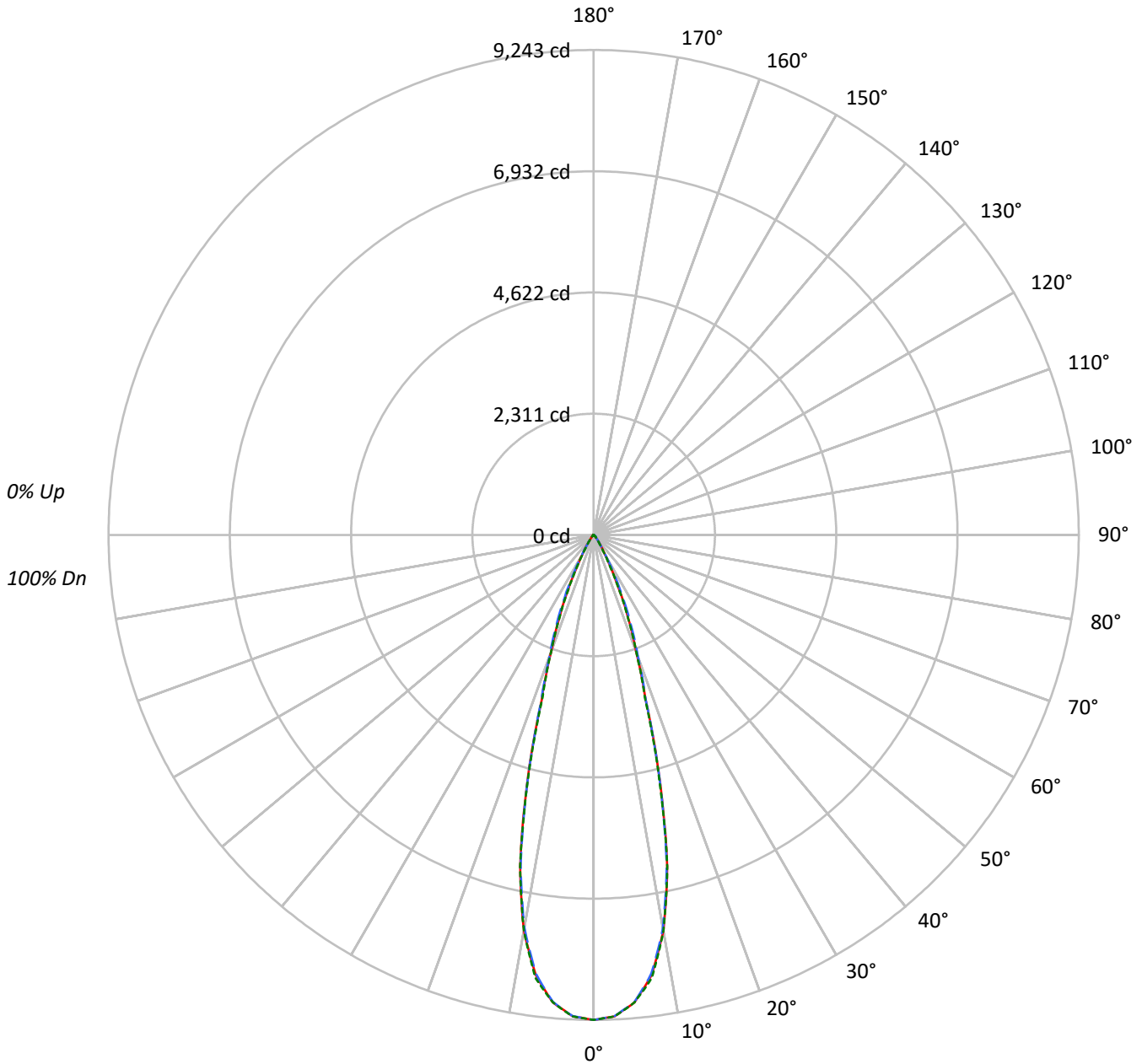
Lumens per Lamp: N/A
Luminaire Lumens: 2874.6 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 35.2
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									
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°	707514	707514	707514
5°	687204	686405	687242
10°	595220	591023	595080
15°	388357	386265	384323
20°	193107	200357	192855
25°	97277	109692	95284
30°	38951	42433	33931
35°	18062	17306	14502
40°	7804	8663	7344
45°	5499	6830	5553
50°	1893	4978	2001
55°	1094	2055	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: 6830 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	812.8	28.3
10°-20°	1309.0	45.5
20°-30°	565.7	19.7
30°-40°	128.9	4.5
40°-50°	44.3	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°	2687.5	93.5
0°-40°	2816.5	98.0
0°-60°	2871.5	99.9
0°-90°	2874.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2874.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9243	9243	9243	9243	9243	
5°	8944	8935	8933	8952	8944	813
15°	4901	4842	4874	4859	4850	1312
25°	1152	1195	1299	1165	1128	551
35°	193	197	185	184	155	131
45°	51	63	63	63	51	36
55°	8	9	15	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°	9243.3	9243.3	9243.3	9243.3	9243.3
2.5°	9182.1	9175.7	9179.3	9183.9	9185.7
5°	8943.8	8935.2	8933.4	8952.0	8944.3
7.5°	8463.2	8451.0	8432.4	8474.6	8514.0
10°	7658.1	7644.5	7604.1	7624.1	7656.3
12.5°	6469.6	6425.6	6424.7	6488.2	6479.6
15°	4900.8	4841.8	4874.4	4858.6	4849.9
17.5°	3295.6	3272.9	3316.5	3303.3	3246.6
20°	2370.7	2376.6	2459.7	2417.9	2367.6
22.5°	1729.9	1751.3	1849.8	1742.2	1702.7
25°	1151.8	1195.4	1298.8	1164.9	1128.2
27.5°	708.4	728.4	833.2	699.3	679.4
30°	440.7	430.7	480.1	412.1	383.9
32.5°	289.1	276.4	292.3	262.3	239.6
35°	193.3	197.4	185.2	183.8	155.2
37.5°	120.7	138.9	122.5	130.7	99.8
40°	78.1	100.7	86.7	95.8	73.5
42.5°	64.0	77.6	71.2	75.8	65.3
45°	50.8	63.1	63.1	63.1	51.3
47.5°	28.1	42.2	54.0	43.1	30.0
50°	15.9	21.3	41.8	22.2	16.8
52.5°	10.9	12.3	28.6	12.7	11.3
55°	8.2	8.6	15.4	9.1	8.6
57.5°	6.4	6.8	8.2	6.8	6.4
60°	5.0	5.0	5.9	5.4	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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