

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: P749826

Luminaire Tested: LD4D55D010-EU4DR2555659035-4LBCSSQMB

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P749826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR2555659035-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

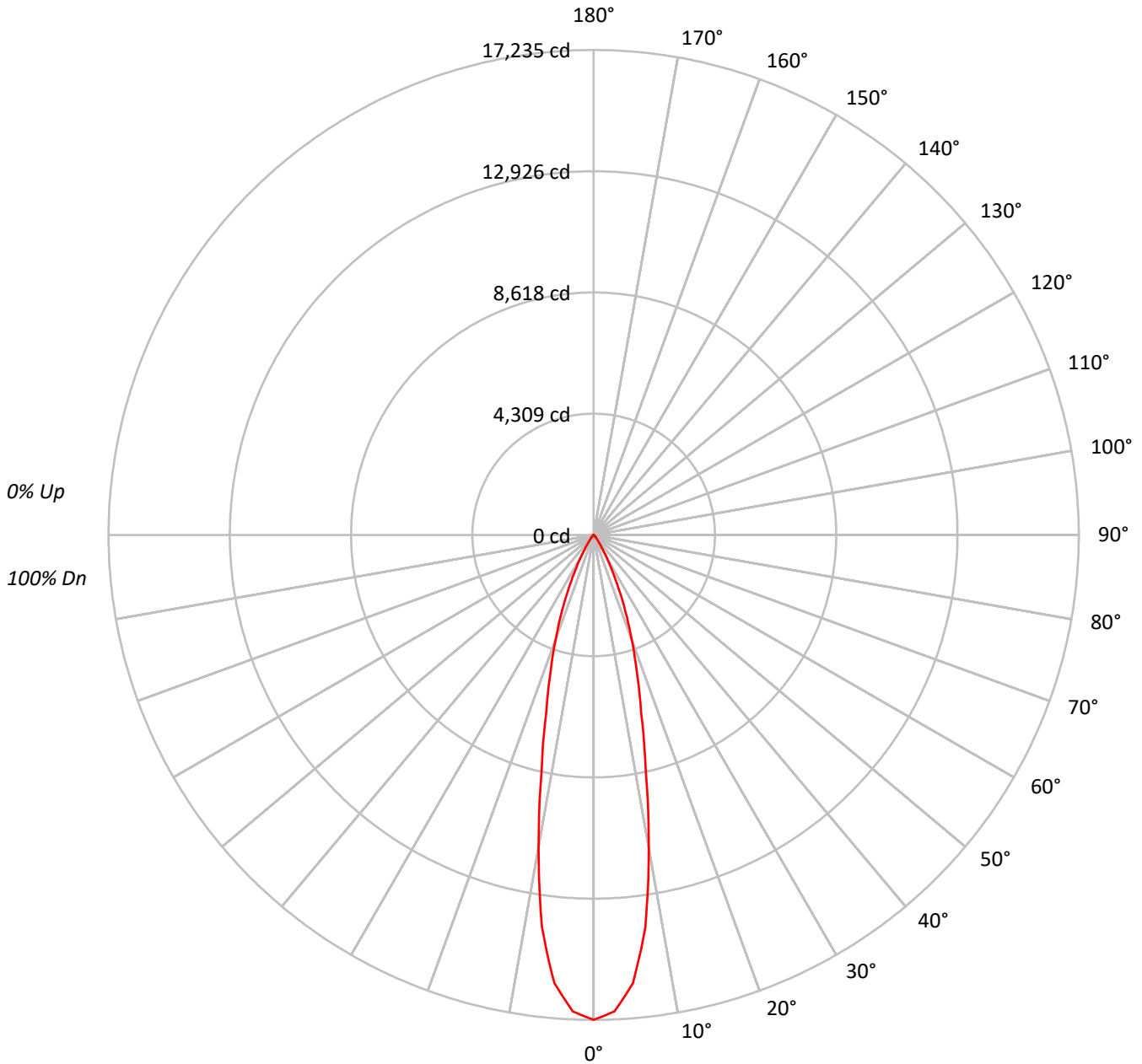
Lumens per Lamp: N/A
Luminaire Lumens: 4544.2 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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																	
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	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	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																											
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82																											
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																											
7	93	87	82	79	92	86	82	79	85	81	78	84	80	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°
0°	1883098
5°	1753874
10°	1251086
15°	736843
20°	458476
25°	251612
30°	115074
35°	43576
40°	19740
45°	11867
50°	4929
55°	3181
60°	2207
65°	1499
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11867 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1374.3	30.2
10°-20°	1861.4	41.0
20°-30°	985.0	21.7
30°-40°	243.2	5.4
40°-50°	59.3	1.3
50°-60°	15.6	0.3
60°-70°	5.2	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°	4220.7	92.9
0°-40°	4463.9	98.2
0°-60°	4538.8	99.9
0°-90°	4544.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4544.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17235	
5°	15991	###
15°	6514	1861
25°	2087	985
35°	327	243
45°	77	59
55°	17	16
65°	6	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	17234.9
2.5°	16951.7
5°	15991.1
7.5°	14061.2
10°	11276.5
12.5°	8524.4
15°	6514.1
17.5°	5076.8
20°	3943.1
22.5°	2957.1
25°	2087.1
27.5°	1399.6
30°	912.1
32.5°	554.9
35°	326.7
37.5°	199.9
40°	138.4
42.5°	105.8
45°	76.8
47.5°	46.4
50°	29.0
52.5°	21.0
55°	16.7
57.5°	13.0
60°	10.1
62.5°	8.0
65°	5.8
67.5°	2.2
70°	0.7
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

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)