

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: P748240

Luminaire Tested: LD4D45BD010-EU4DR2540509027-4LBCSSQMB

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P748240
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: LD4D45BD010-EU4DR2540509027-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

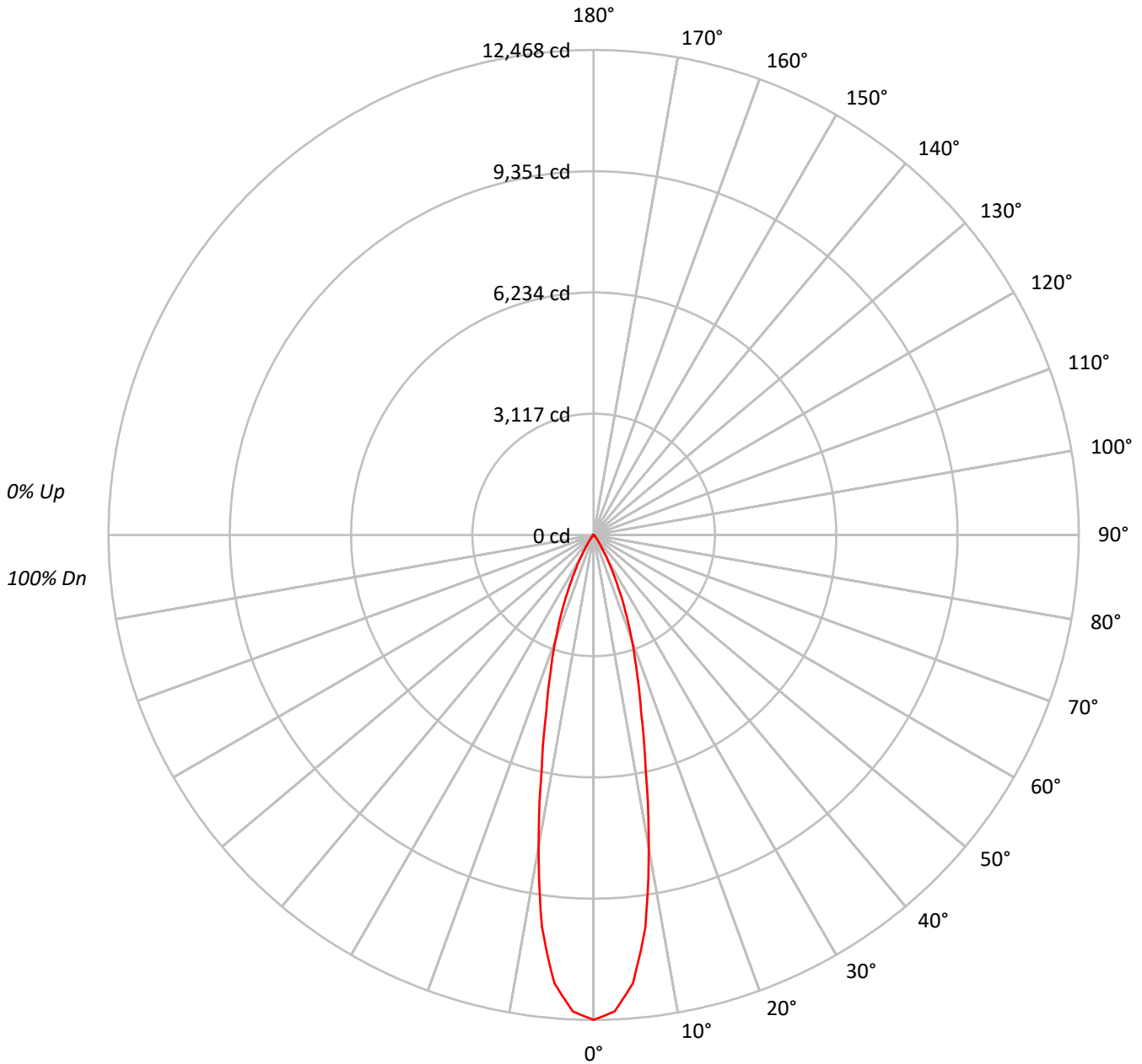
Lumens per Lamp: N/A
Luminaire Lumens: 3287.3 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 38.7
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



TEST NUMBER: P748240
CATALOG NUMBER: LD4D45BD010-EU4DR2540509027-4LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P748240

CATALOG NUMBER: LD4D45BD010-EU4DR2540509027-4LBCSSQMB

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	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°	1362274
5°	1268789
10°	905066
15°	533043
20°	331668
25°	182015
30°	83243
35°	31532
40°	14277
45°	8591
50°	3570
55°	2305
60°	1595
65°	1086
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8591 cd/sqm



TEST NUMBER: P748240

CATALOG NUMBER: LD4D45BD010-EU4DR2540509027-4LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	994.2	30.2
10°-20°	1346.6	41.0
20°-30°	712.6	21.7
30°-40°	175.9	5.4
40°-50°	42.9	1.3
50°-60°	11.3	0.3
60°-70°	3.8	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°	3053.4	92.9
0°-40°	3229.3	98.2
0°-60°	3283.5	99.9
0°-90°	3287.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3287.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12468	
5°	11568	994
15°	4712	1347
25°	1510	713
35°	236	176
45°	56	43
55°	12	11
65°	4	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P748240

CATALOG NUMBER: LD4D45BD010-EU4DR2540509027-4LBCSSQMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	12468.1
2.5°	12263.2
5°	11568.3
7.5°	10172.2
10°	8157.7
12.5°	6166.7
15°	4712.4
17.5°	3672.7
20°	2852.5
22.5°	2139.2
25°	1509.8
27.5°	1012.5
30°	659.8
32.5°	401.4
35°	236.4
37.5°	144.6
40°	100.1
42.5°	76.5
45°	55.6
47.5°	33.5
50°	21.0
52.5°	15.2
55°	12.1
57.5°	9.4
60°	7.3
62.5°	5.8
65°	4.2
67.5°	1.6
70°	0.5
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

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

Scaled Data Report



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

Scaled Data Report



— 0°-180°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)