

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: P750465

Luminaire Tested: LD4D55D010-EU4DR6555659040-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P750465
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: LD4D55D010-EU4DR6555659040-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

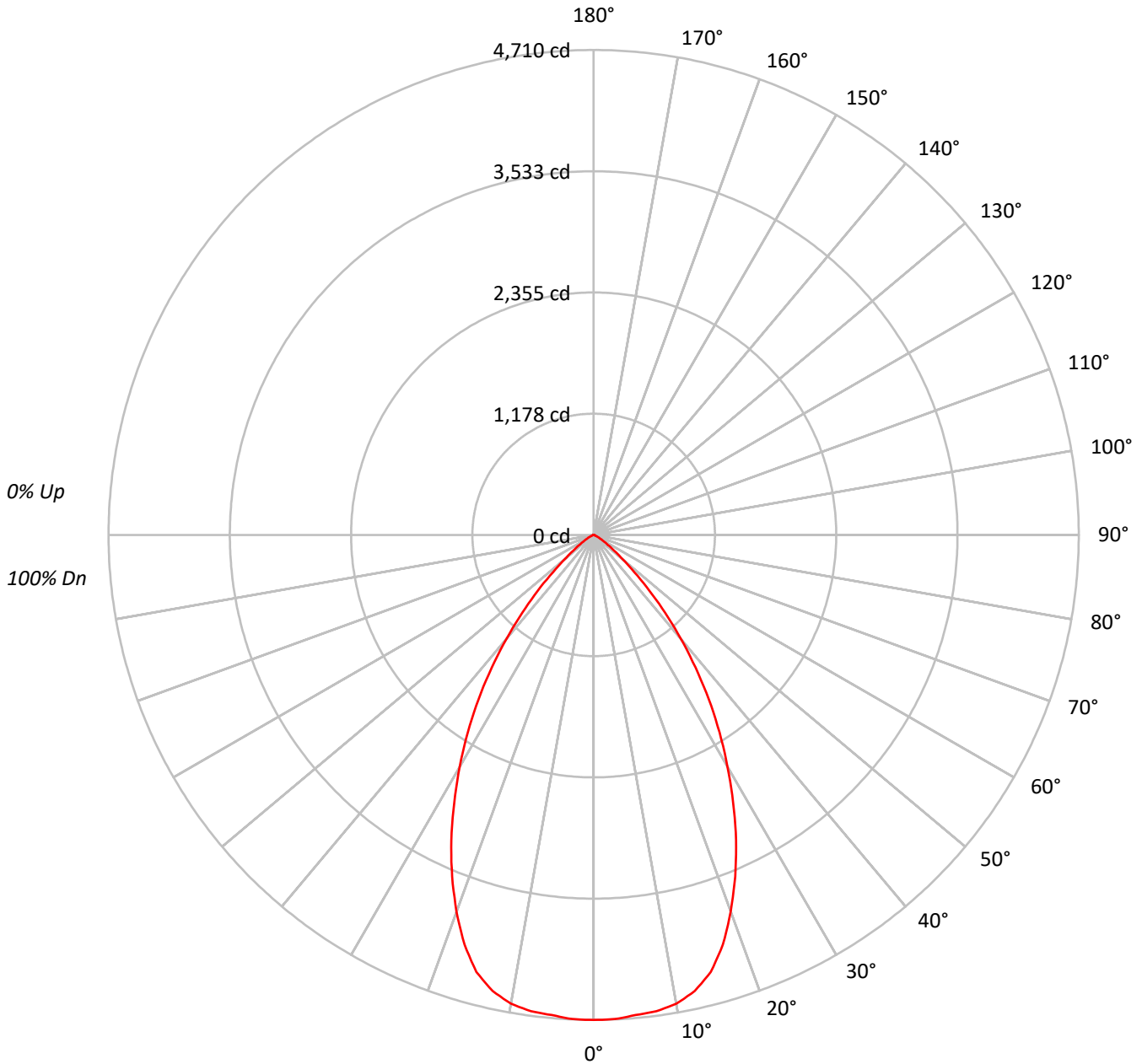
Lumens per Lamp: N/A
Luminaire Lumens: 5188.0 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 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



TEST NUMBER: P750465
CATALOG NUMBER: LD4D55D010-EU4DR6555659040-4LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P750465
 CATALOG NUMBER: LD4D55D010-EU4DR6555659040-4LBCSSQMWW

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	0	
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°	275111
5°	274421
10°	274184
15°	265734
20°	241915
25°	210814
30°	175341
35°	138931
40°	100272
45°	63351
50°	33019
55°	17554
60°	9216
65°	5072
70°	2135
75°	2347
80°	1614
85°	1407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 63351 cd/sqm



TEST NUMBER: P750465

CATALOG NUMBER: LD4D55D010-EU4DR6555659040-4LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.5	8.6
10°-20°	1219.9	23.5
20°-30°	1491.1	28.7
30°-40°	1209.8	23.3
40°-50°	602.9	11.6
50°-60°	168.2	3.2
60°-70°	38.2	0.7
70°-80°	10.0	0.2
80°-90°	2.6	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°	3156.4	60.8
0°-40°	4366.2	84.2
0°-60°	5137.3	99.0
0°-90°	5188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5188.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4710	
5°	4681	445
15°	4395	1220
25°	3271	1491
35°	1949	1210
45°	767	603
55°	172	168
65°	37	38
75°	10	10
85°	2	3
90°	0	



TEST NUMBER: P750465

CATALOG NUMBER: LD4D55D010-EU4DR6555659040-4LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4710.5
2.5°	4707.1
5°	4680.8
7.5°	4665.5
10°	4623.3
12.5°	4537.5
15°	4394.9
17.5°	4172.0
20°	3892.3
22.5°	3590.5
25°	3271.4
27.5°	2930.2
30°	2600.0
32.5°	2273.9
35°	1948.6
37.5°	1623.9
40°	1315.2
42.5°	1025.9
45°	767.0
47.5°	534.4
50°	363.4
52.5°	250.6
55°	172.4
57.5°	116.3
60°	78.9
62.5°	54.7
65°	36.7
67.5°	18.7
70°	12.5
72.5°	11.8
75°	10.4
77.5°	6.9
80°	4.8
82.5°	3.5
85°	2.1
87.5°	1.4
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)