

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: P750563

Luminaire Tested: LD4D55D010-EU4DR7055659050-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR7055659050-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6503.2 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

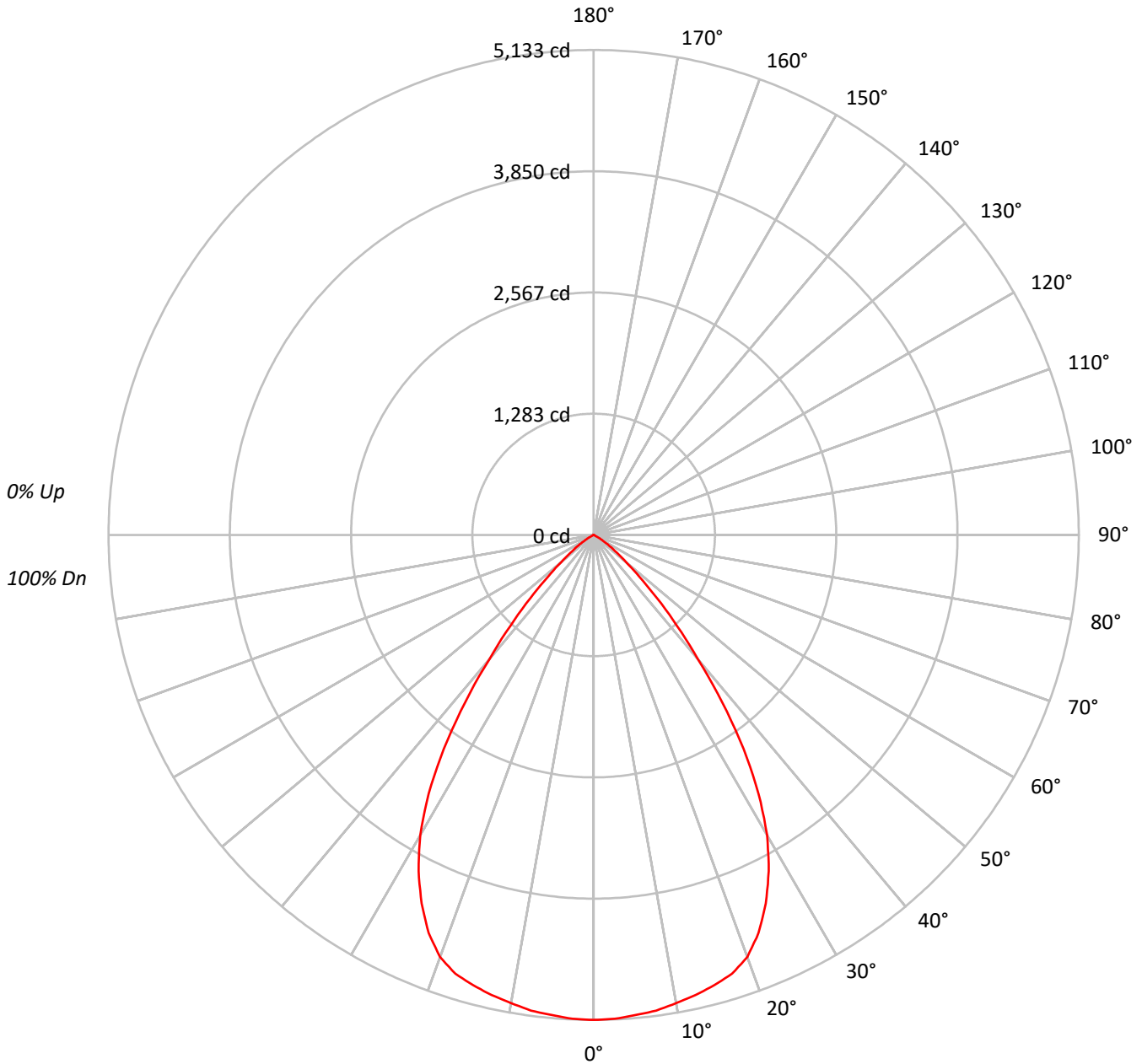
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P750563
CATALOG NUMBER: LD4D55D010-EU4DR7055659050-4LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P750563

CATALOG NUMBER: LD4D55D010-EU4DR7055659050-4LBS1LI

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	106	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	85	82	87	84	81	85	82	79	78			
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60			
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48			
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	560825
5°	559424
10°	558215
15°	558053
20°	552598
25°	519102
30°	462780
35°	368977
40°	244995
45°	146468
50°	75930
55°	39908
60°	14116
65°	233
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 146468 cd/sqm



TEST NUMBER: P750563

CATALOG NUMBER: LD4D55D010-EU4DR7055659050-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.1	7.5
10°-20°	1391.2	21.4
20°-30°	1962.5	30.2
30°-40°	1694.2	26.1
40°-50°	758.7	11.7
50°-60°	198.6	3.1
60°-70°	12.9	0.2
70°-80°	0.0	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°	3838.8	59.0
0°-40°	5533.0	85.1
0°-60°	6490.3	99.8
0°-90°	6503.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6503.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5133	
5°	5101	485
15°	4934	1391
25°	4306	1963
35°	2766	1694
45°	948	759
55°	210	199
65°	1	13
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P750563
CATALOG NUMBER: LD4D55D010-EU4DR7055659050-4LBS1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	5132.9
2.5°	5127.3
5°	5100.6
7.5°	5078.4
10°	5031.4
12.5°	4988.9
15°	4933.5
17.5°	4869.8
20°	4752.6
22.5°	4559.7
25°	4305.9
27.5°	4011.4
30°	3668.1
32.5°	3248.1
35°	2766.3
37.5°	2234.6
40°	1717.7
42.5°	1305.1
45°	947.9
47.5°	653.5
50°	446.7
52.5°	308.3
55°	209.5
57.5°	126.5
60°	64.6
62.5°	20.3
65°	0.9
67.5°	0.0
70°	0.0
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)