

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: P749737

Luminaire Tested: LD4D50D010-EU4DR7040509030-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P749737
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: LD4D50D010-EU4DR7040509030-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

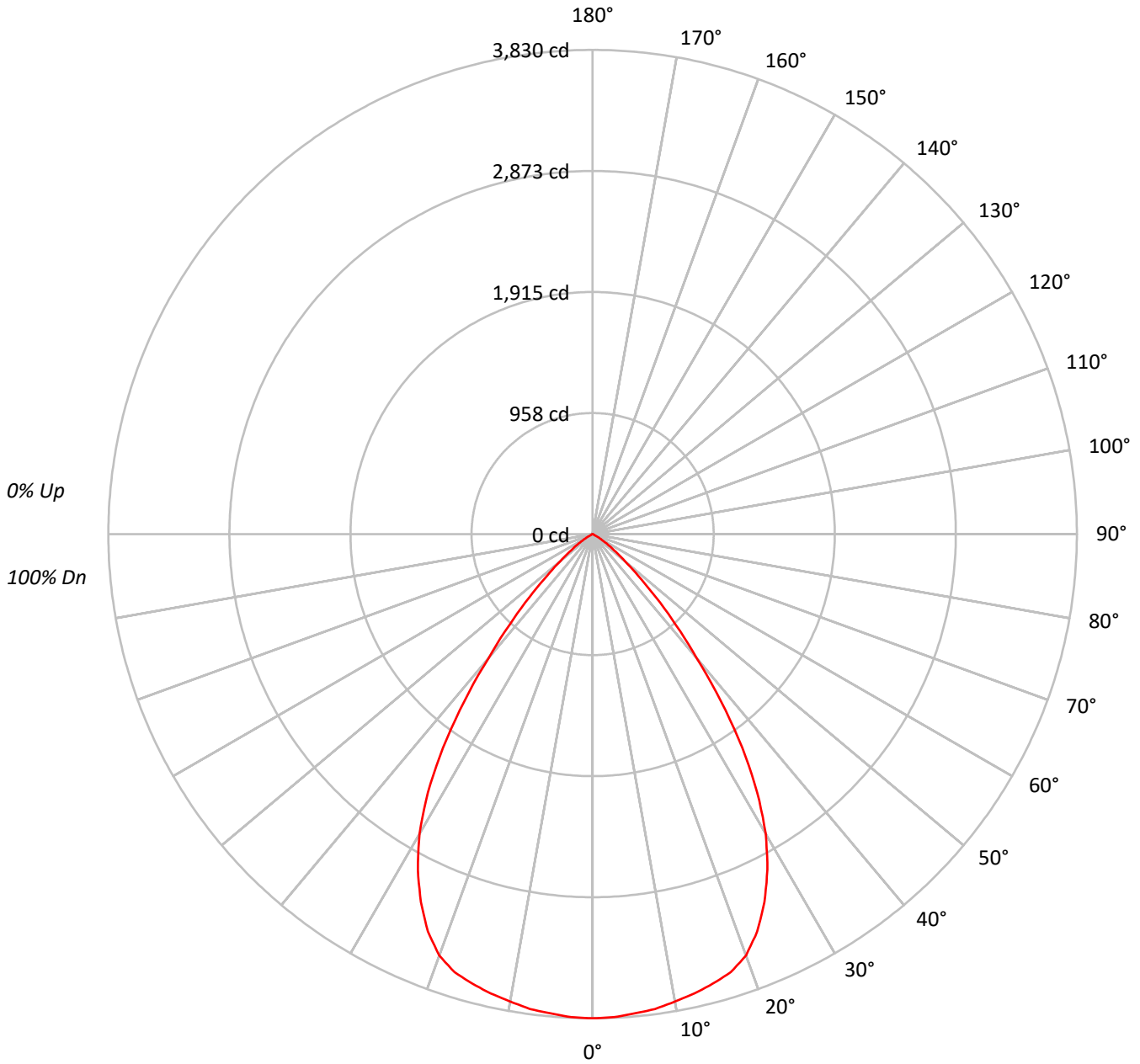
Lumens per Lamp: N/A
Luminaire Lumens: 4852.3 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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



TEST NUMBER: P749737
CATALOG NUMBER: LD4D50D010-EU4DR7040509030-4LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P749737

CATALOG NUMBER: LD4D50D010-EU4DR7040509030-4LBCSSQMW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	418447
5°	417402
10°	416503
15°	416388
20°	412315
25°	387322
30°	345297
35°	275302
40°	182809
45°	109291
50°	56654
55°	29774
60°	10533
65°	181
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 109291 cd/sqm



TEST NUMBER: P749737

CATALOG NUMBER: LD4D50D010-EU4DR7040509030-4LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.9	7.5
10°-20°	1038.0	21.4
20°-30°	1464.3	30.2
30°-40°	1264.1	26.1
40°-50°	566.1	11.7
50°-60°	148.2	3.1
60°-70°	9.7	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°	2864.3	59.0
0°-40°	4128.4	85.1
0°-60°	4842.6	99.8
0°-90°	4852.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4852.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3830	
5°	3806	362
15°	3681	1038
25°	3213	1464
35°	2064	1264
45°	707	566
55°	156	148
65°	1	10
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P749737

CATALOG NUMBER: LD4D50D010-EU4DR7040509030-4LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3829.8
2.5°	3825.7
5°	3805.7
7.5°	3789.2
10°	3754.1
12.5°	3722.4
15°	3681.1
17.5°	3633.6
20°	3546.1
22.5°	3402.2
25°	3212.8
27.5°	2993.1
30°	2736.9
32.5°	2423.5
35°	2064.0
37.5°	1667.3
40°	1281.7
42.5°	973.8
45°	707.3
47.5°	487.6
50°	333.3
52.5°	230.0
55°	156.3
57.5°	94.4
60°	48.2
62.5°	15.2
65°	0.7
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)