

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: P752762

Luminaire Tested: LD4D70BD010-EU4DR6570959024-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6570959024-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

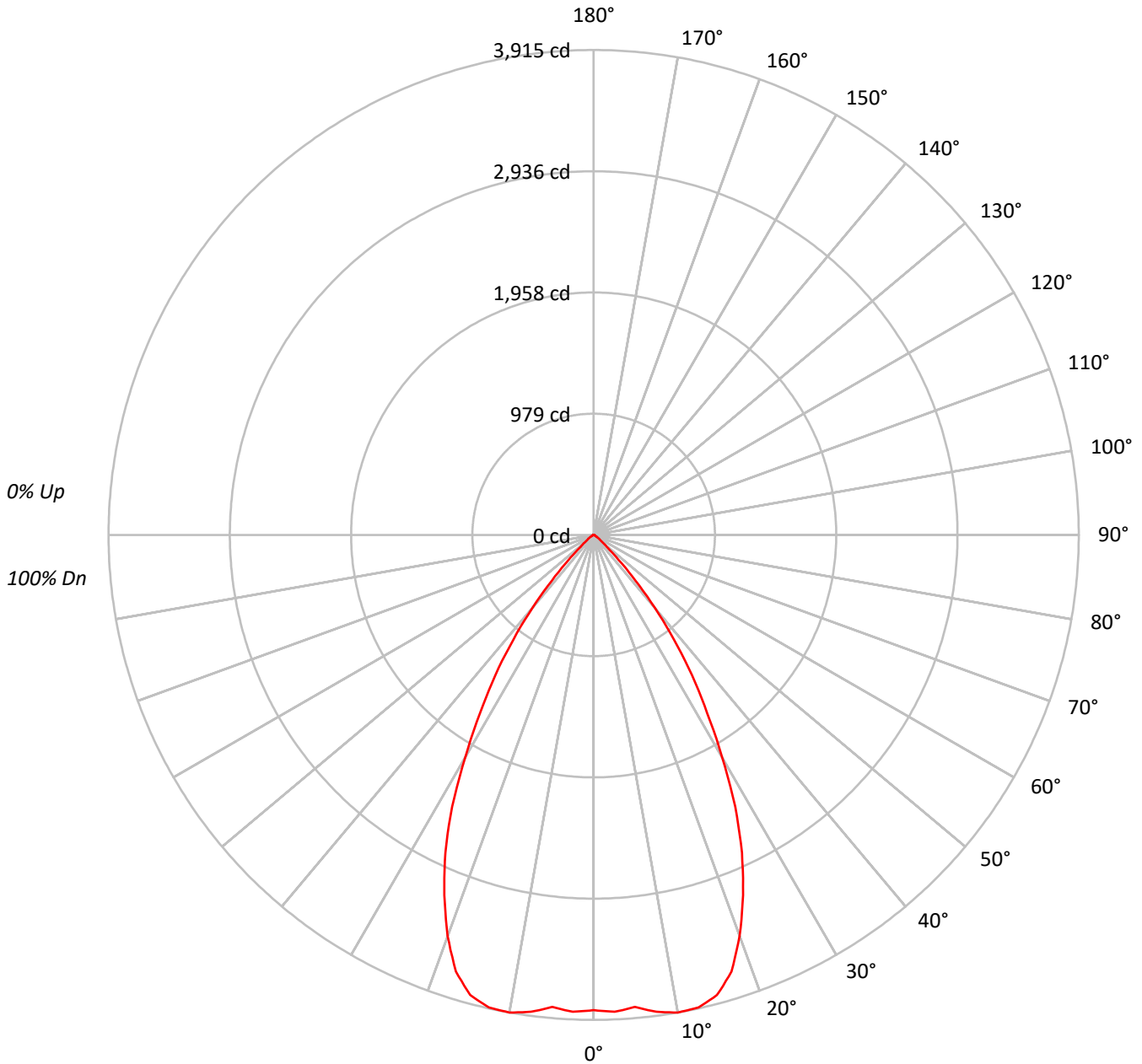
Lumens per Lamp: N/A
Luminaire Lumens: 3897.3 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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: P752762
CATALOG NUMBER: LD4D70BD010-EU4DR6570959024-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P752762

CATALOG NUMBER: LD4D70BD010-EU4DR6570959024-4LBSQW1B

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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	419255
5°	419596
10°	434377
15°	435086
20°	400572
25°	341306
30°	261285
35°	184588
40°	108955
45°	44239
50°	16029
55°	8934
60°	5113
65°	2818
70°	2971
75°	2322
80°	2391
85°	2006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 44239 cd/sqm



TEST NUMBER: P752762

CATALOG NUMBER: LD4D70BD010-EU4DR6570959024-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.5	9.5
10°-20°	1065.8	27.3
20°-30°	1278.8	32.8
30°-40°	859.3	22.0
40°-50°	257.2	6.6
50°-60°	45.4	1.2
60°-70°	12.9	0.3
70°-80°	6.3	0.2
80°-90°	2.0	0.1
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°	2714.0	69.6
0°-40°	3573.4	91.7
0°-60°	3876.0	99.5
0°-90°	3897.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3897.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3837	
5°	3826	369
15°	3846	1066
25°	2831	1279
35°	1384	859
45°	286	257
55°	47	45
65°	11	13
75°	6	6
85°	2	2
90°	0	



TEST NUMBER: P752762

CATALOG NUMBER: LD4D70BD010-EU4DR6570959024-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	3837.2
2.5°	3853.5
5°	3825.7
7.5°	3883.5
10°	3915.2
12.5°	3907.5
15°	3846.4
17.5°	3697.0
20°	3445.1
22.5°	3148.5
25°	2831.1
27.5°	2472.9
30°	2071.0
32.5°	1706.7
35°	1383.9
37.5°	1064.9
40°	763.9
42.5°	498.9
45°	286.3
47.5°	151.6
50°	94.3
52.5°	65.4
55°	46.9
57.5°	33.8
60°	23.4
62.5°	15.3
65°	10.9
67.5°	9.8
70°	9.3
72.5°	7.1
75°	5.5
77.5°	4.9
80°	3.8
82.5°	2.7
85°	1.6
87.5°	1.1
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)