

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: P741968

Luminaire Tested: LD4D10D010-EU4DR200210IC9030-4LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P741968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D10D010-EU4DR200210IC9030-4LBCSSQMMS
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 989.7 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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

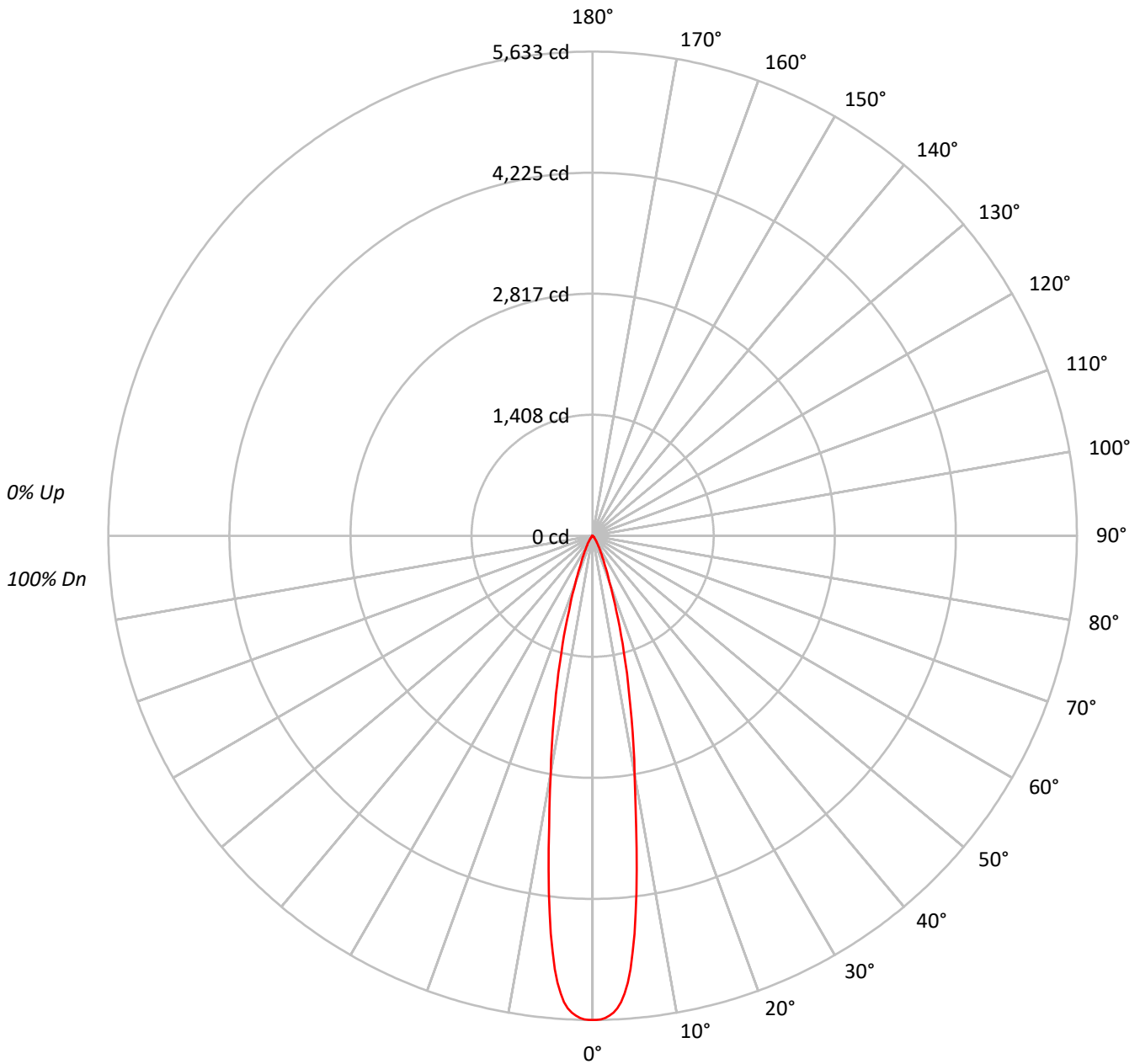


Downlight



TEST NUMBER: P741968
CATALOG NUMBER: LD4D10D010-EU4DR200210IC9030-4LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P741968

CATALOG NUMBER: LD4D10D010-EU4DR200210IC9030-4LBCSSQMMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																	
RC	80									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									100																		
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	98	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75				
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75								
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75											
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75														
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83	82	81	80	79	78	77	76	75																	
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	82	81	80	79	78	77	76	75																			
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	80	79	78	77	76	75																					
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77	76	75																							
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75																									
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	615510
5°	555300
10°	311670
15°	158429
20°	67078
25°	30959
30°	16389
35°	8830
40°	4721
45°	2797
50°	1615
55°	857
60°	546
65°	388
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2797 cd/sqm



TEST NUMBER: P741968

CATALOG NUMBER: LD4D10D010-EU4DR200210IC9030-4LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.1	40.5
10°-20°	394.9	39.9
20°-30°	129.0	13.0
30°-40°	43.9	4.4
40°-50°	14.8	1.5
50°-60°	4.4	0.4
60°-70°	1.5	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°	925.1	93.5
0°-40°	969.0	97.9
0°-60°	988.2	99.8
0°-90°	989.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5633	
5°	5063	401
15°	1401	395
25°	257	129
35°	66	44
45°	18	15
55°	4	4
65°	2	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P741968

CATALOG NUMBER: LD4D10D010-EU4DR200210IC9030-4LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	5633.4
0.5°	5633.4
1°	5626.3
1.5°	5612.3
2°	5586.7
2.5°	5552.6
3°	5504.4
3.5°	5437.2
4°	5337.4
4.5°	5216.0
5°	5063.0
5.5°	4861.8
6°	4655.7
6.5°	4419.4
7°	4188.1
7.5°	3917.3
8°	3675.5
8.5°	3432.2
9°	3207.4
9.5°	3001.3
10°	2809.2
12.5°	2017.1
15°	1400.6
17.5°	915.0
20°	576.9
22.5°	373.7
25°	256.8
27.5°	180.6
30°	129.9
32.5°	93.3
35°	66.2
37.5°	46.2
40°	33.1
42.5°	24.1
45°	18.1
47.5°	14.0
50°	9.5
52.5°	6.0
55°	4.5
57.5°	3.5
60°	2.5
62.5°	2.0
65°	1.5



TEST NUMBER: P741968
CATALOG NUMBER: LD4D10D010-EU4DR200210IC9030-4LBCSSQMMS

CANDELA DISTRIBUTION (continued):

	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



67.5°		1.0
70°		0.5

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

Scaled Data Report



(END OF REPORT)