

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: P744251

Luminaire Tested: LD4D20D010-EU4DR4020359024-4LBCSSQMW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P744251  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D20D010-EU4DR4020359024-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1589.9 lumens  
Efficiency: N/A  
Efficacy: 68.8 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 23.1  
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

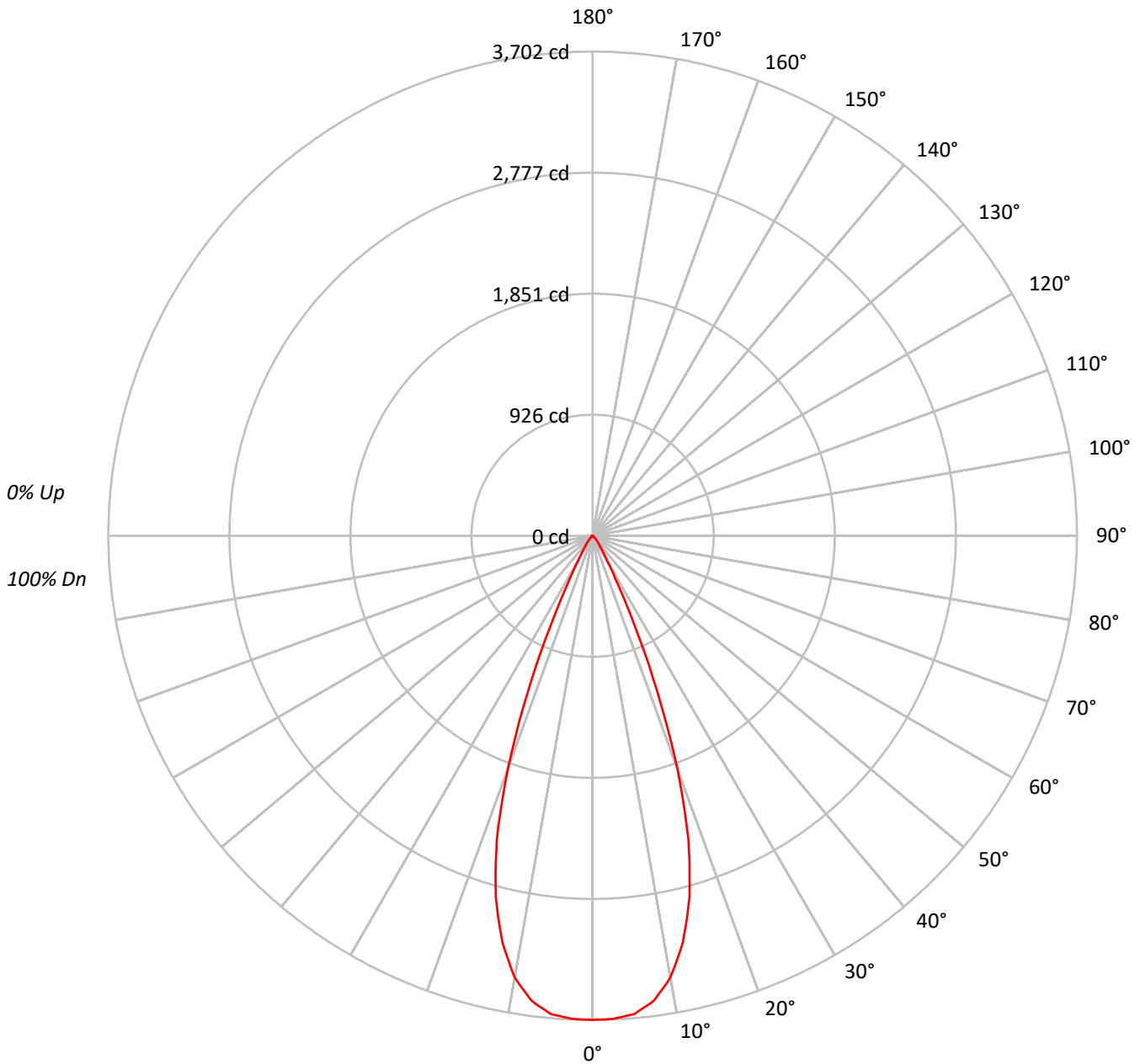


Downlight



TEST NUMBER: P744251  
CATALOG NUMBER: LD4D20D010-EU4DR4020359024-4LBCSSQMW

### Luminous Intensity Polar Plot





TEST NUMBER: P744251

CATALOG NUMBER: LD4D20D010-EU4DR4020359024-4LBCSSQMW

**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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96			96																
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92																
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88			88																
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84			84																
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81			81																
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77			77																
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74			74																
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72			72																
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69			69																
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67			67																

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	404461
5°	402497
10°	380446
15°	323430
20°	220442
25°	91972
30°	28917
35°	13445
40°	7431
45°	3415
50°	1649
55°	914
60°	481
65°	155
70°	64
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3415 cd/sqm



TEST NUMBER: P744251

CATALOG NUMBER: LD4D20D010-EU4DR4020359024-4LBCSSQMW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	342.7	21.6
10°-20°	767.7	48.3
20°-30°	384.3	24.2
30°-40°	70.4	4.4
40°-50°	19.4	1.2
50°-60°	4.6	0.3
60°-70°	0.9	0.1
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°	1494.6	94.0
0°-40°	1565.0	98.4
0°-60°	1589.0	99.9
0°-90°	1589.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1589.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3702	
5°	3670	343
15°	2859	768
25°	763	384
35°	101	70
45°	22	19
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P744251

CATALOG NUMBER: LD4D20D010-EU4DR4020359024-4LBCSSQMW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3701.8
2.5°	3696.4
5°	3669.8
7.5°	3585.1
10°	3429.1
12.5°	3186.1
15°	2859.3
17.5°	2434.4
20°	1895.9
22.5°	1292.5
25°	762.9
27.5°	403.3
30°	229.2
32.5°	148.1
35°	100.8
37.5°	72.0
40°	52.1
42.5°	35.7
45°	22.1
47.5°	14.0
50°	9.7
52.5°	6.9
55°	4.8
57.5°	3.0
60°	2.2
62.5°	1.3
65°	0.6
67.5°	0.5
70°	0.2
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)