

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: P741979

Luminaire Tested: LD4D10D010-EU4DR200210IC9030-4LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P741979  
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-EU4DR200210IC9030-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 915.2 lumens  
Efficiency: N/A  
Efficacy: 78.2 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

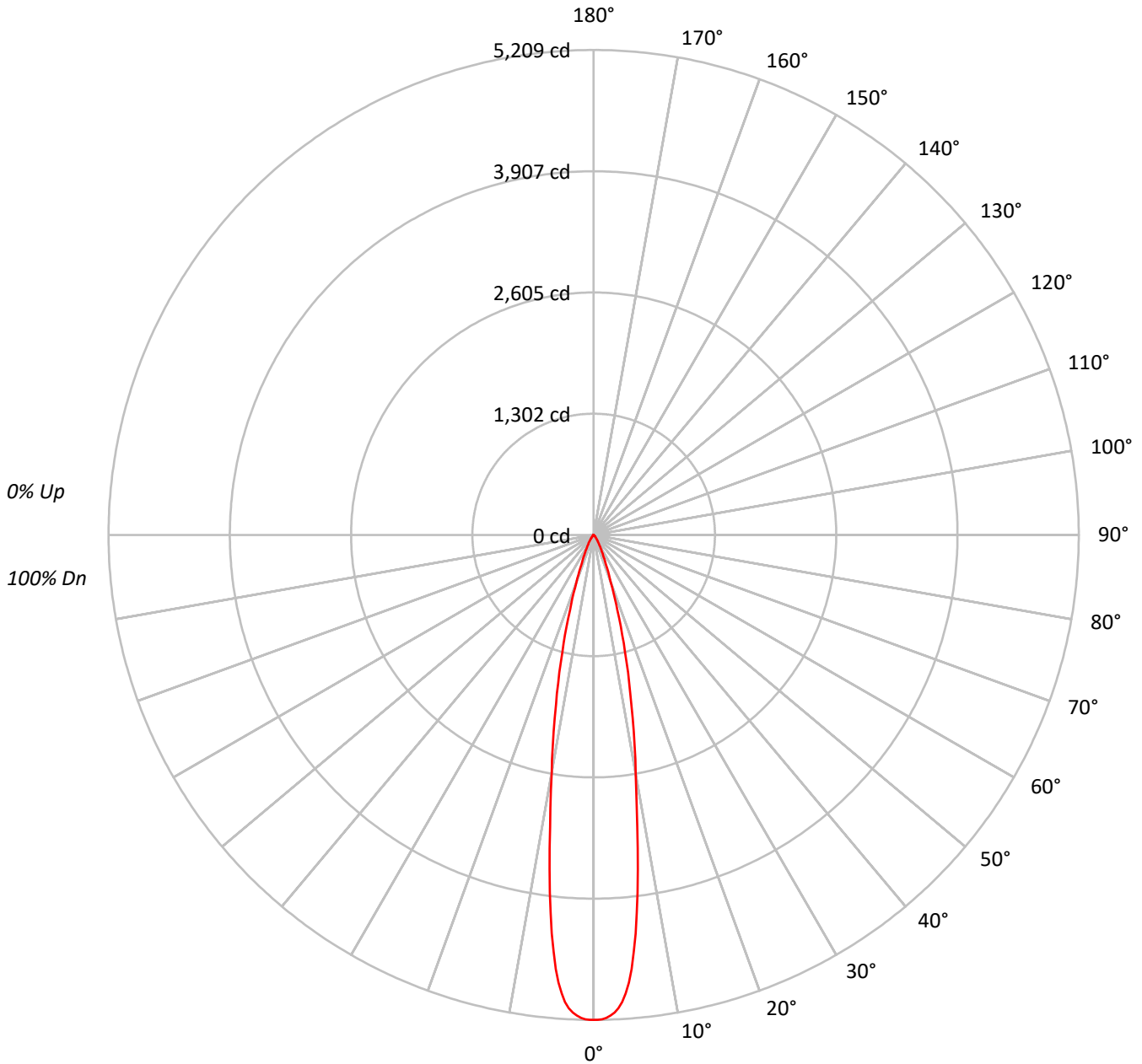


Downlight



TEST NUMBER: P741979  
CATALOG NUMBER: LD4D10D010-EU4DR200210IC9030-4LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P741979

CATALOG NUMBER: LD4D10D010-EU4DR200210IC9030-4LBSQW1MW

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

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

	0°
0°	569139
5°	513469
10°	288194
15°	146495
20°	62020
25°	28632
30°	15152
35°	8163
40°	4364
45°	2580
50°	1496
55°	800
60°	503
65°	362
70°	160
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2580 cd/sqm



TEST NUMBER: P741979

CATALOG NUMBER: LD4D10D010-EU4DR200210IC9030-4LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	370.9	40.5
10°-20°	365.2	39.9
20°-30°	119.3	13.0
30°-40°	40.6	4.4
40°-50°	13.7	1.5
50°-60°	4.1	0.4
60°-70°	1.4	0.2
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°	855.4	93.5
0°-40°	896.0	97.9
0°-60°	913.8	99.8
0°-90°	915.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	915.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5209	
5°	4682	371
15°	1295	365
25°	238	119
35°	61	41
45°	17	14
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P741979

CATALOG NUMBER: LD4D10D010-EU4DR200210IC9030-4LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5209.0
0.5°	5209.0
1°	5202.5
1.5°	5189.6
2°	5165.9
2.5°	5134.4
3°	5089.8
3.5°	5027.7
4°	4935.4
4.5°	4823.1
5°	4681.6
5.5°	4495.6
6°	4305.0
6.5°	4086.5
7°	3872.7
7.5°	3622.2
8°	3398.6
8.5°	3173.7
9°	2965.9
9.5°	2775.2
10°	2597.6
12.5°	1865.1
15°	1295.1
17.5°	846.1
20°	533.4
22.5°	345.6
25°	237.5
27.5°	167.0
30°	120.1
32.5°	86.3
35°	61.2
37.5°	42.7
40°	30.6
42.5°	22.3
45°	16.7
47.5°	13.0
50°	8.8
52.5°	5.6
55°	4.2
57.5°	3.2
60°	2.3
62.5°	1.9
65°	1.4



TEST NUMBER: P741979  
CATALOG NUMBER: LD4D10D010-EU4DR200210IC9030-4LBSQW1MW

**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





67.5°		0.9
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)