

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: P744909

Luminaire Tested: LD4D25D010-EU4DR2015309030-4LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P744909  
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: LD4D25D010-EU4DR2015309030-4LBS1MW  
Description: 4 INCH ROUND SHALLOW 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: 2525.0 lumens  
Efficiency: N/A  
Efficacy: 100.6 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): 25.1  
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

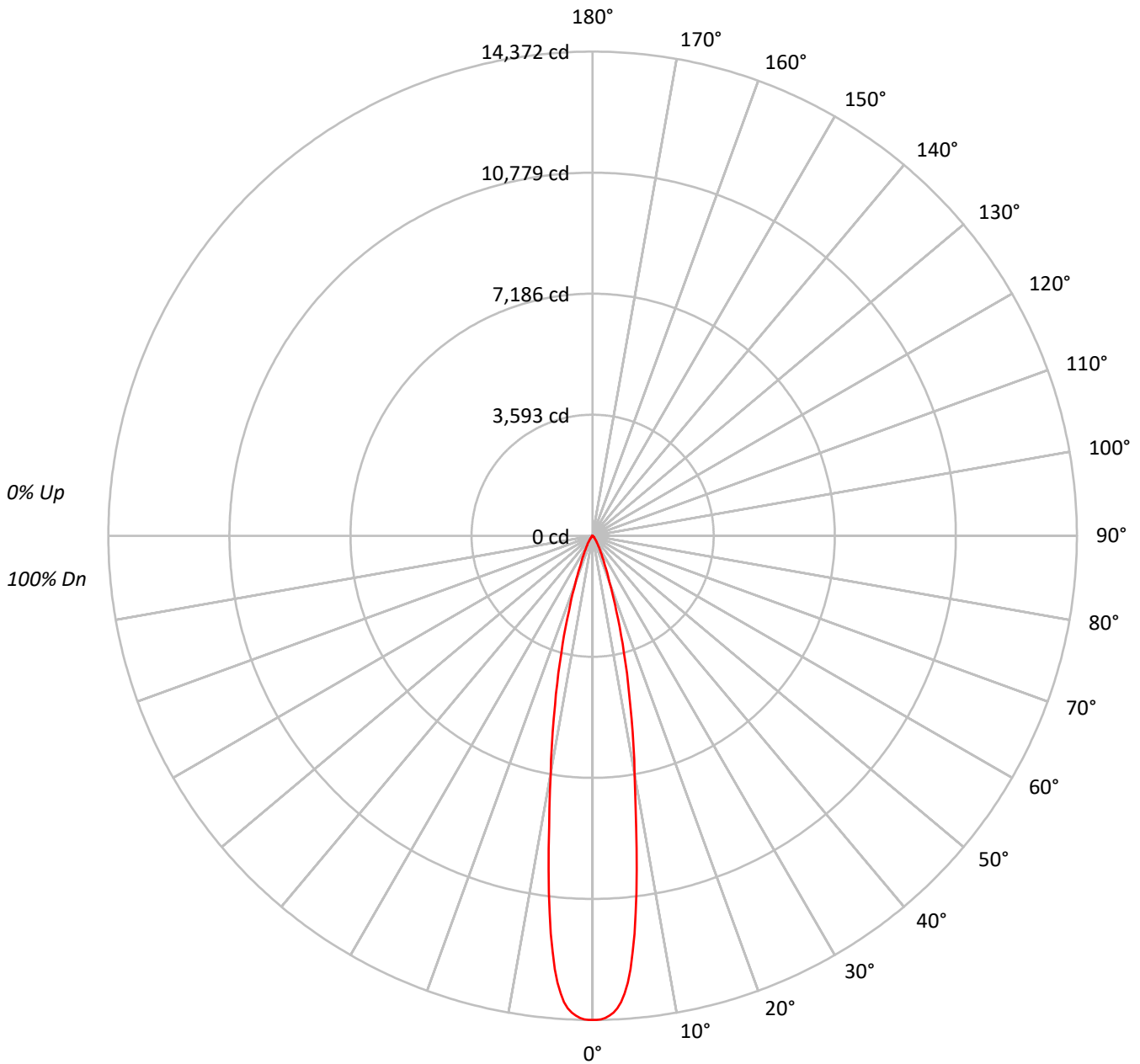


Downlight



TEST NUMBER: P744909  
CATALOG NUMBER: LD4D25D010-EU4DR2015309030-4LBS1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P744909

CATALOG NUMBER: LD4D25D010-EU4DR2015309030-4LBS1MW

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

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

	0°
0°	1570263
5°	1416668
10°	795108
15°	404171
20°	171119
25°	78988
30°	41823
35°	22528
40°	12052
45°	7123
50°	4131
55°	2191
60°	1399
65°	982
70°	415
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7123 cd/sqm



TEST NUMBER: P744909

CATALOG NUMBER: LD4D25D010-EU4DR2015309030-4LBS1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1023.2	40.5
10°-20°	1007.6	39.9
20°-30°	329.2	13.0
30°-40°	112.1	4.4
40°-50°	37.7	1.5
50°-60°	11.4	0.4
60°-70°	3.8	0.1
70°-80°	0.2	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°	2360.0	93.5
0°-40°	2472.0	97.9
0°-60°	2521.0	99.8
0°-90°	2525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2525.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14372	
5°	12917	###
15°	3573	1008
25°	655	329
35°	169	112
45°	46	38
55°	12	11
65°	4	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P744909

CATALOG NUMBER: LD4D25D010-EU4DR2015309030-4LBS1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14371.7
0.5°	14371.7
1°	14353.8
1.5°	14317.9
2°	14252.7
2.5°	14165.6
3°	14042.8
3.5°	13871.3
4°	13616.6
4.5°	13306.9
5°	12916.6
5.5°	12403.4
6°	11877.4
6.5°	11274.7
7°	10684.7
7.5°	9993.6
8°	9376.8
8.5°	8756.1
9°	8182.8
9.5°	7656.8
10°	7166.6
12.5°	5145.9
15°	3573.1
17.5°	2334.3
20°	1471.7
22.5°	953.4
25°	655.2
27.5°	460.7
30°	331.5
32.5°	238.0
35°	168.9
37.5°	117.7
40°	84.5
42.5°	61.4
45°	46.1
47.5°	35.8
50°	24.3
52.5°	15.4
55°	11.5
57.5°	9.0
60°	6.4
62.5°	5.1
65°	3.8



TEST NUMBER: P744909  
CATALOG NUMBER: LD4D25D010-EU4DR2015309030-4LBS1MW

**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°		2.6
70°		1.3

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

Scaled Data Report



(END OF REPORT)