

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: P744892

Luminaire Tested: LD4D25D010-EU4DR2015309027-4LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P744892  
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-EU4DR2015309027-4LBDP1MW  
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2253.7 lumens  
Efficiency: N/A  
Efficacy: 89.8 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

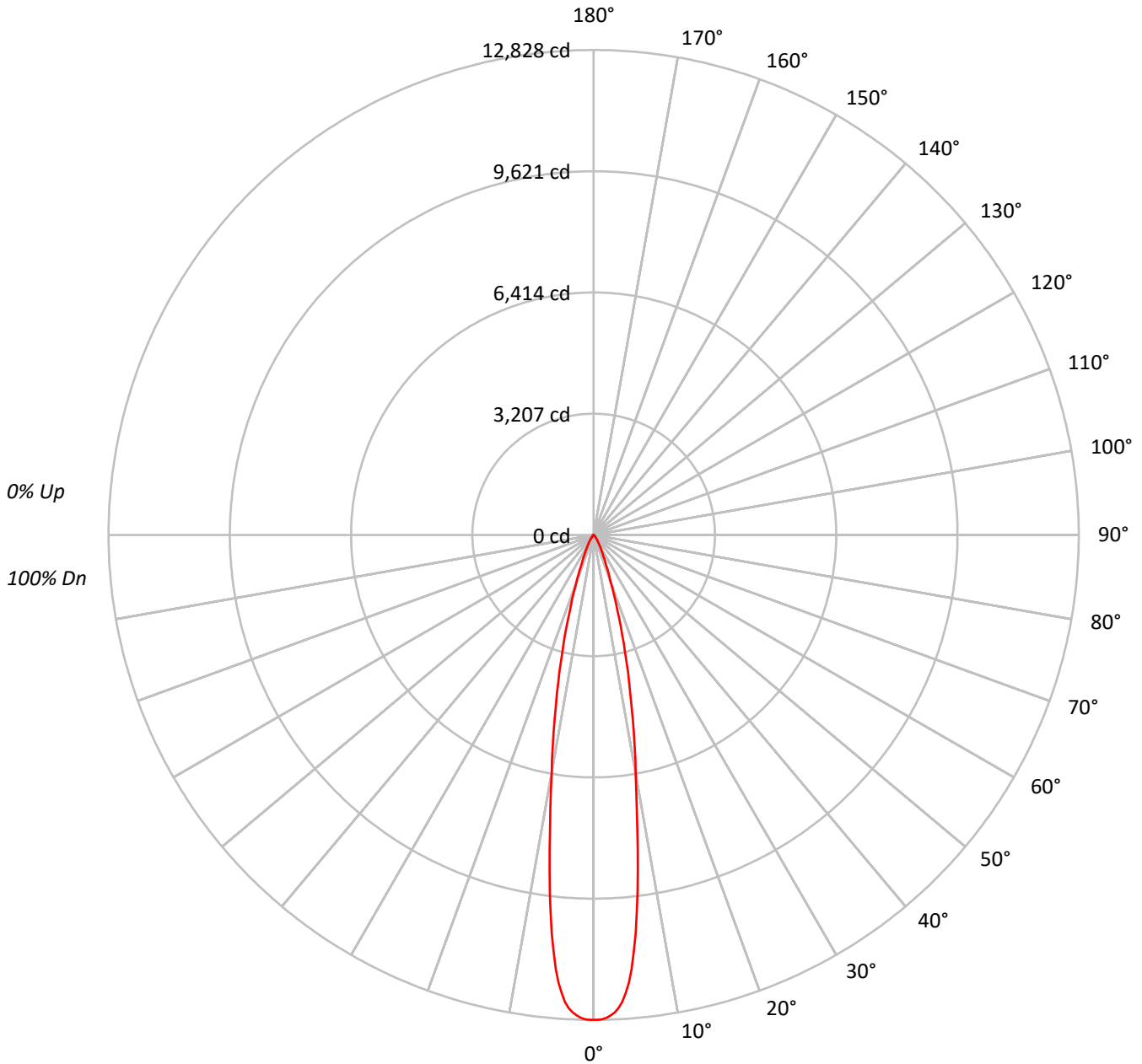


Downlight



TEST NUMBER: P744892  
CATALOG NUMBER: LD4D25D010-EU4DR2015309027-4LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P744892

CATALOG NUMBER: LD4D25D010-EU4DR2015309027-4LBDP1MW

**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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97		
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94		
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91		
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88		
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85		
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83		
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81		
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79		
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77		
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°	1401542
5°	1264457
10°	709679
15°	360747
20°	152736
25°	70501
30°	37319
35°	20114
40°	10754
45°	6351
50°	3689
55°	1962
60°	1246
65°	879
70°	351
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6351 cd/sqm



TEST NUMBER: P744892

CATALOG NUMBER: LD4D25D010-EU4DR2015309027-4LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	913.3	40.5
10°-20°	899.3	39.9
20°-30°	293.8	13.0
30°-40°	100.0	4.4
40°-50°	33.6	1.5
50°-60°	10.1	0.4
60°-70°	3.4	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°	2106.4	93.5
0°-40°	2206.4	97.9
0°-60°	2250.2	99.8
0°-90°	2253.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2253.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12828	
5°	11529	913
15°	3189	899
25°	585	294
35°	151	100
45°	41	34
55°	10	10
65°	3	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P744892

CATALOG NUMBER: LD4D25D010-EU4DR2015309027-4LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12827.5
0.5°	12827.5
1°	12811.6
1.5°	12779.6
2°	12721.3
2.5°	12643.6
3°	12534.0
3.5°	12380.9
4°	12153.6
4.5°	11877.2
5°	11528.8
5.5°	11070.8
6°	10601.3
6.5°	10063.3
7°	9536.7
7.5°	8919.9
8°	8369.3
8.5°	7815.3
9°	7303.6
9.5°	6834.1
10°	6396.6
12.5°	4593.0
15°	3189.2
17.5°	2083.5
20°	1313.6
22.5°	851.0
25°	584.8
27.5°	411.2
30°	295.8
32.5°	212.5
35°	150.8
37.5°	105.1
40°	75.4
42.5°	54.8
45°	41.1
47.5°	32.0
50°	21.7
52.5°	13.7
55°	10.3
57.5°	8.0
60°	5.7
62.5°	4.6
65°	3.4



TEST NUMBER: P744892

CATALOG NUMBER: LD4D25D010-EU4DR2015309027-4LBDP1MW

**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°		2.3
70°		1.1

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

Scaled Data Report



(END OF REPORT)