

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: P744893

Luminaire Tested: LD4D25D010-EU4DR2015309027-4LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P744893  
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-EU4DR2015309027-4LBS1B  
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2408.8 lumens  
Efficiency: N/A  
Efficacy: 96.0 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 (A<sub>in</sub>): 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

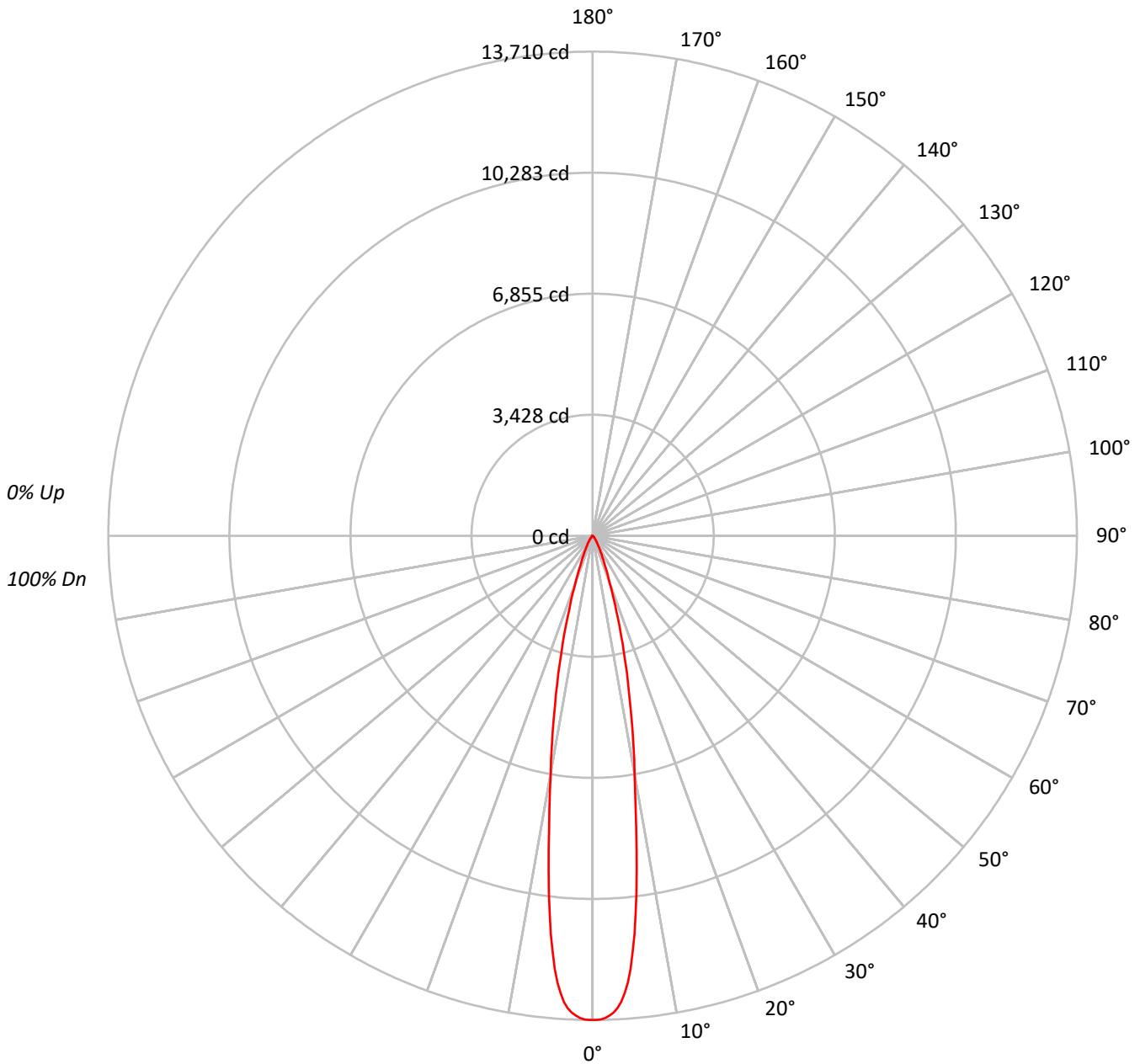


Downlight



TEST NUMBER: P744893  
CATALOG NUMBER: LD4D25D010-EU4DR2015309027-4LBS1B

### Luminous Intensity Polar Plot





TEST NUMBER: P744893

CATALOG NUMBER: LD4D25D010-EU4DR2015309027-4LBS1B

**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	0
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°	1497965
5°	1351443
10°	758506
15°	385564
20°	163247
25°	75359
30°	39893
35°	21501
40°	11496
45°	6799
50°	3944
55°	2095
60°	1333
65°	957
70°	383
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6799 cd/sqm



TEST NUMBER: P744893

CATALOG NUMBER: LD4D25D010-EU4DR2015309027-4LBS1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	976.1	40.5
10°-20°	961.2	39.9
20°-30°	314.0	13.0
30°-40°	106.9	4.4
40°-50°	36.0	1.5
50°-60°	10.8	0.4
60°-70°	3.6	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°	2251.3	93.5
0°-40°	2358.2	97.9
0°-60°	2405.0	99.8
0°-90°	2408.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2408.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13710	
5°	12322	976
15°	3409	961
25°	625	314
35°	161	107
45°	44	36
55°	11	11
65°	4	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P744893

CATALOG NUMBER: LD4D25D010-EU4DR2015309027-4LBS1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13710.0
0.5°	13710.0
1°	13693.0
1.5°	13658.8
2°	13596.5
2.5°	13513.5
3°	13396.3
3.5°	13232.7
4°	12989.7
4.5°	12694.3
5°	12321.9
5.5°	11832.4
6°	11330.6
6.5°	10755.6
7°	10192.8
7.5°	9533.5
8°	8945.1
8.5°	8353.0
9°	7806.1
9.5°	7304.3
10°	6836.7
12.5°	4909.0
15°	3408.6
17.5°	2226.8
20°	1404.0
22.5°	909.5
25°	625.1
27.5°	439.5
30°	316.2
32.5°	227.1
35°	161.2
37.5°	112.3
40°	80.6
42.5°	58.6
45°	44.0
47.5°	34.2
50°	23.2
52.5°	14.7
55°	11.0
57.5°	8.5
60°	6.1
62.5°	4.9
65°	3.7



TEST NUMBER: P744893  
CATALOG NUMBER: LD4D25D010-EU4DR2015309027-4LBS1B

**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°		2.4
70°		1.2

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

Scaled Data Report



(END OF REPORT)