

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: P745670

Luminaire Tested: LD4D25D010-EU4DR7020359027-4LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P745670  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D25D010-EU4DR7020359027-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2329.4 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
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

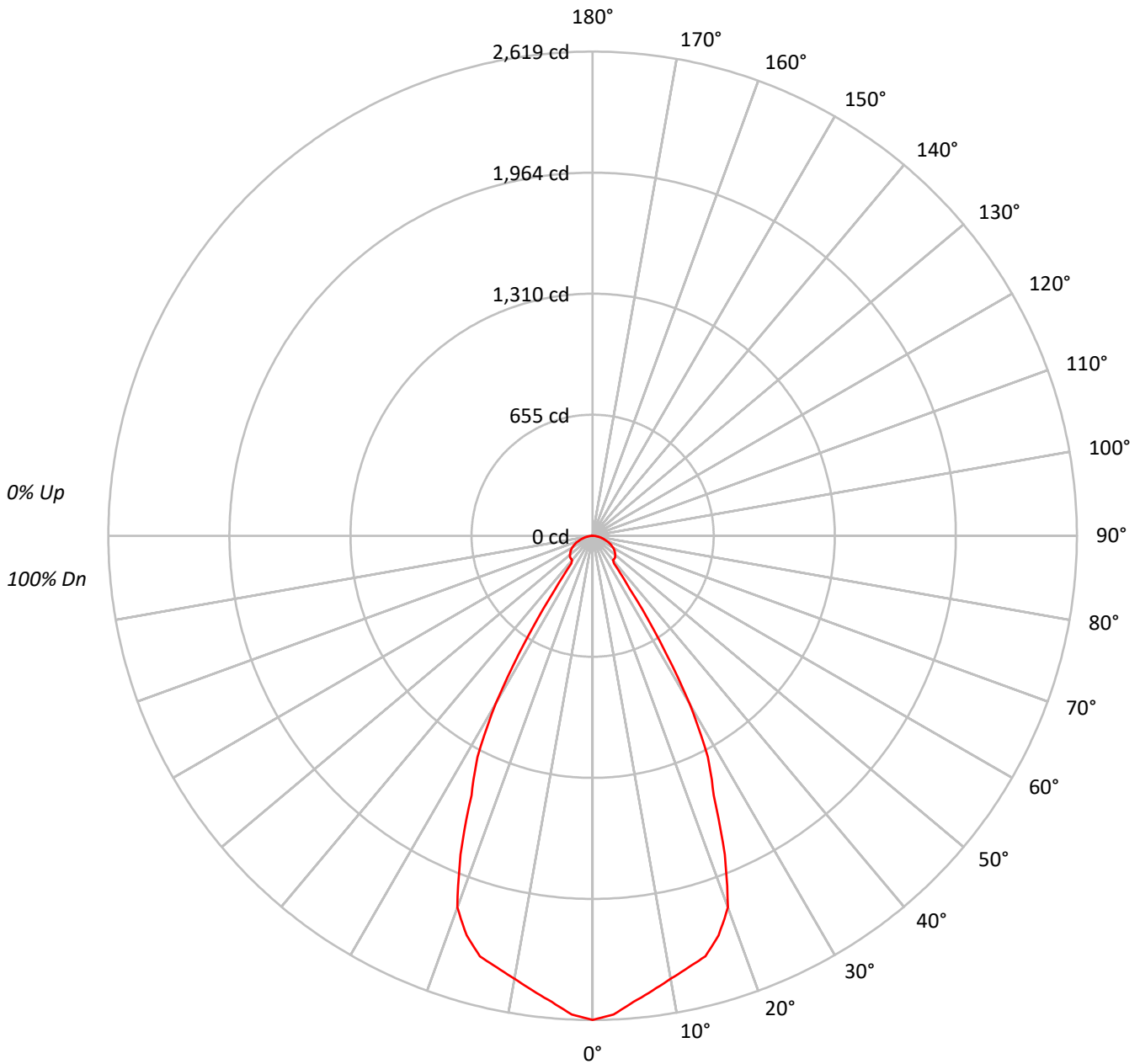


Downlight



TEST NUMBER: P745670  
CATALOG NUMBER: LD4D25D010-EU4DR7020359027-4LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P745670

CATALOG NUMBER: LD4D25D010-EU4DR7020359027-4LBDP1H

**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																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

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

	0°
0°	286143
5°	277639
10°	269899
15°	266363
20°	248731
25°	186850
30°	132093
35°	46791
40°	24604
45°	26206
50°	27129
55°	27640
60°	27818
65°	27224
70°	25684
75°	23809
80°	21141
85°	17175

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 27819 cd/sqm



TEST NUMBER: P745670

CATALOG NUMBER: LD4D25D010-EU4DR7020359027-4LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.8	10.3
10°-20°	654.9	28.1
20°-30°	721.3	31.0
30°-40°	275.6	11.8
40°-50°	130.1	5.6
50°-60°	129.4	5.6
60°-70°	103.6	4.4
70°-80°	59.5	2.6
80°-90°	16.2	0.7
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°	1615.0	69.3
0°-40°	1890.6	81.2
0°-60°	2150.1	92.3
0°-90°	2329.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2329.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2619	
5°	2531	239
15°	2355	655
25°	1550	721
35°	351	276
45°	170	130
55°	145	129
65°	105	104
75°	56	60
85°	14	16
90°	0	



TEST NUMBER: P745670

CATALOG NUMBER: LD4D25D010-EU4DR7020359027-4LBDP1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2618.9
2.5°	2591.5
5°	2531.4
7.5°	2481.2
10°	2432.7
12.5°	2391.7
15°	2354.8
17.5°	2265.6
20°	2139.2
22.5°	1866.3
25°	1549.9
27.5°	1349.2
30°	1047.0
32.5°	676.3
35°	350.8
37.5°	189.5
40°	172.5
42.5°	171.3
45°	169.6
47.5°	165.9
50°	159.6
52.5°	152.6
55°	145.1
57.5°	136.8
60°	127.3
62.5°	116.5
65°	105.3
67.5°	92.9
70°	80.4
72.5°	68.0
75°	56.4
77.5°	44.3
80°	33.6
82.5°	23.7
85°	13.7
87.5°	5.4
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)