

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: P743725

Luminaire Tested: LD4D15D010-EU4DR700215IC9027-4LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P743725  
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: LD4D15D010-EU4DR700215IC9027-4LBDP1LI  
Description: 4 INCH ROUND DEEP 45° CUTOFF 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: 1378.3 lumens  
Efficiency: N/A  
Efficacy: 87.2 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): 15.8  
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

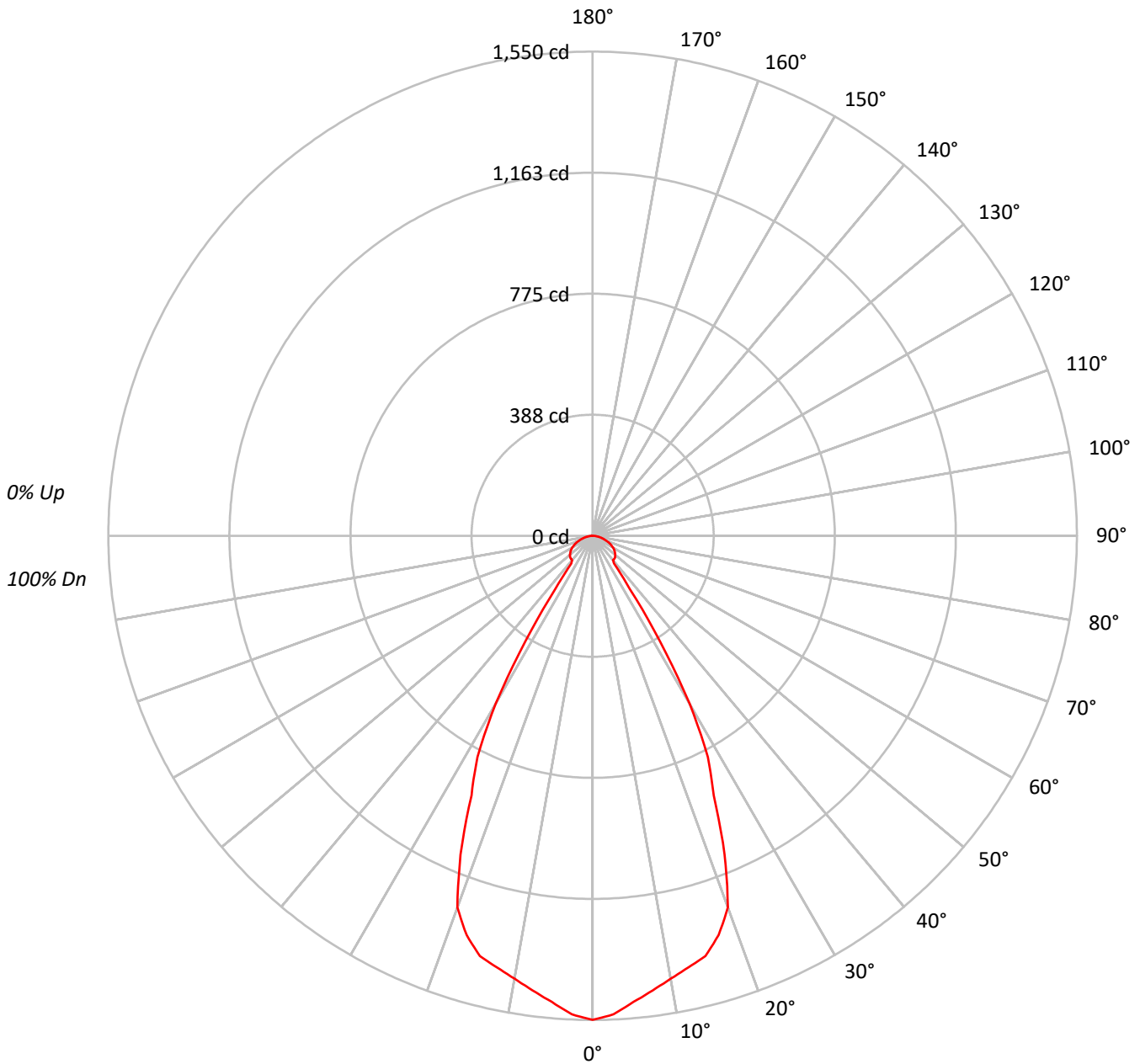


Downlight



TEST NUMBER: P743725  
CATALOG NUMBER: LD4D15D010-EU4DR700215IC9027-4LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P743725

CATALOG NUMBER: LD4D15D010-EU4DR700215IC9027-4LBDP1LI

**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	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°	169321
5°	164287
10°	159707
15°	157615
20°	147178
25°	110574
30°	78158
35°	27690
40°	14563
45°	15514
50°	16063
55°	16363
60°	16455
65°	16107
70°	15206
75°	14058
80°	12521
85°	10154

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 16471 cd/sqm



TEST NUMBER: P743725

CATALOG NUMBER: LD4D15D010-EU4DR700215IC9027-4LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.3	10.3
10°-20°	387.5	28.1
20°-30°	426.8	31.0
30°-40°	163.1	11.8
40°-50°	77.0	5.6
50°-60°	76.6	5.6
60°-70°	61.3	4.4
70°-80°	35.2	2.6
80°-90°	9.6	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°	955.6	69.3
0°-40°	1118.7	81.2
0°-60°	1272.3	92.3
0°-90°	1378.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1378.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1550	
5°	1498	141
15°	1393	388
25°	917	427
35°	208	163
45°	100	77
55°	86	77
65°	62	61
75°	33	35
85°	8	10
90°	0	



TEST NUMBER: P743725

CATALOG NUMBER: LD4D15D010-EU4DR700215IC9027-4LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1549.7
2.5°	1533.5
5°	1497.9
7.5°	1468.2
10°	1439.5
12.5°	1415.2
15°	1393.4
17.5°	1340.6
20°	1265.8
22.5°	1104.4
25°	917.2
27.5°	798.4
30°	619.5
32.5°	400.2
35°	207.6
37.5°	112.1
40°	102.1
42.5°	101.4
45°	100.4
47.5°	98.1
50°	94.5
52.5°	90.3
55°	85.9
57.5°	81.0
60°	75.3
62.5°	68.9
65°	62.3
67.5°	54.9
70°	47.6
72.5°	40.2
75°	33.3
77.5°	26.2
80°	19.9
82.5°	14.0
85°	8.1
87.5°	3.2
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)