

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: P743664

Luminaire Tested: LD4D15D010-EU4DR650215IC9030-4LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P743664  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D15D010-EU4DR650215IC9030-4LBDP1LI  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1235.4 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.8  
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



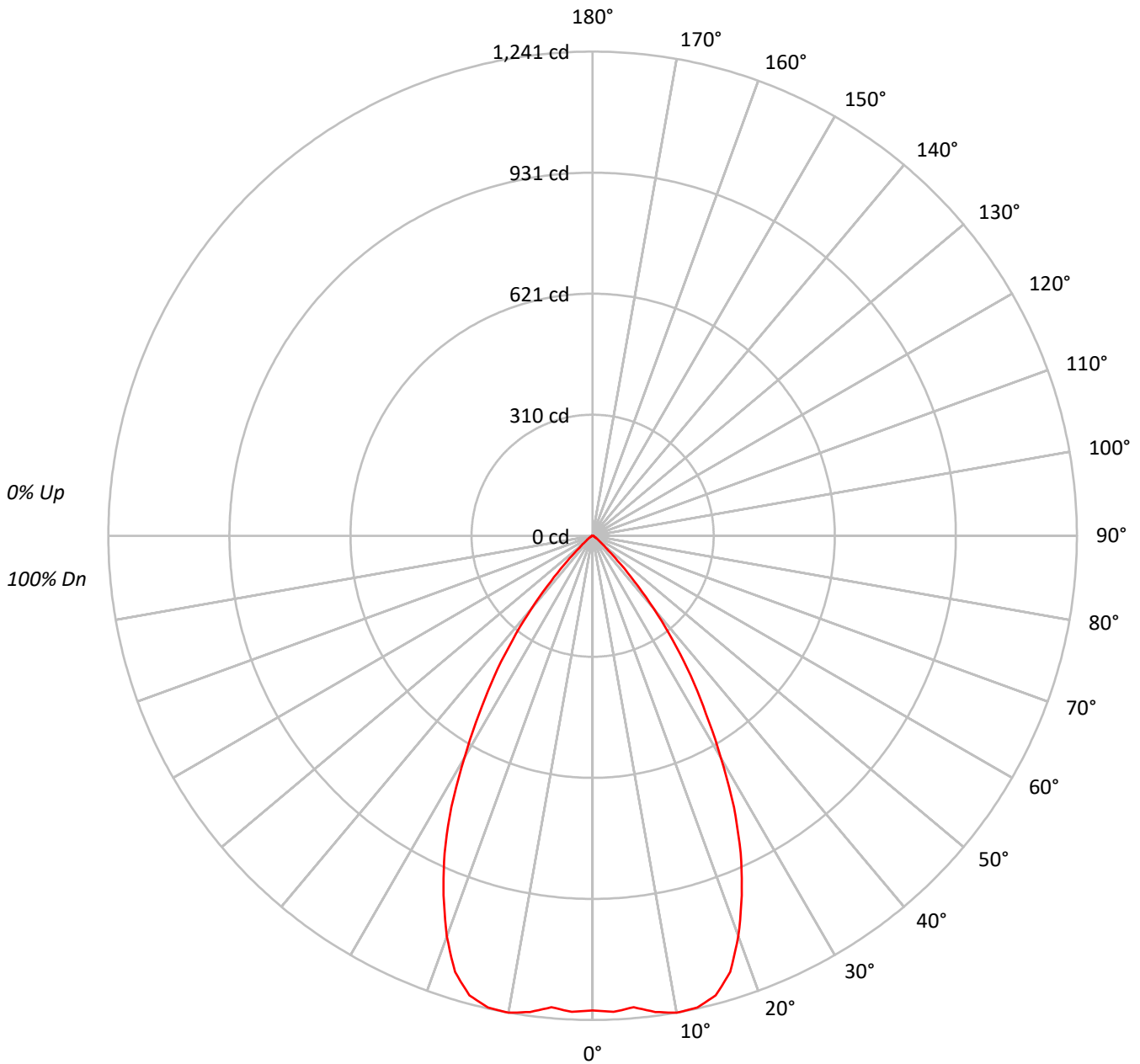
Downlight



TEST NUMBER: P743664

CATALOG NUMBER: LD4D15D010-EU4DR650215IC9030-4LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P743664

CATALOG NUMBER: LD4D15D010-EU4DR650215IC9030-4LBDP1LI

**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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

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

	0°
0°	132905
5°	133018
10°	137707
15°	137932
20°	126993
25°	108199
30°	82826
35°	58515
40°	34545
45°	14030
50°	5082
55°	2819
60°	1617
65°	879
70°	926
75°	718
80°	755
85°	627

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14030 cd/sqm



TEST NUMBER: P743664

CATALOG NUMBER: LD4D15D010-EU4DR650215IC9030-4LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.1	9.5
10°-20°	337.9	27.3
20°-30°	405.4	32.8
30°-40°	272.4	22.1
40°-50°	81.6	6.6
50°-60°	14.4	1.2
60°-70°	4.1	0.3
70°-80°	2.0	0.2
80°-90°	0.6	0.1
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°	860.4	69.6
0°-40°	1132.8	91.7
0°-60°	1228.8	99.5
0°-90°	1235.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1235.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1216	
5°	1213	117
15°	1219	338
25°	898	405
35°	439	272
45°	91	82
55°	15	14
65°	3	4
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P743664

CATALOG NUMBER: LD4D15D010-EU4DR650215IC9030-4LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1216.4
2.5°	1221.6
5°	1212.8
7.5°	1231.2
10°	1241.2
12.5°	1238.8
15°	1219.4
17.5°	1172.0
20°	1092.2
22.5°	998.1
25°	897.5
27.5°	784.0
30°	656.5
32.5°	541.1
35°	438.7
37.5°	337.6
40°	242.2
42.5°	158.2
45°	90.8
47.5°	48.1
50°	29.9
52.5°	20.7
55°	14.8
57.5°	10.7
60°	7.4
62.5°	4.8
65°	3.4
67.5°	3.1
70°	2.9
72.5°	2.2
75°	1.7
77.5°	1.5
80°	1.2
82.5°	0.9
85°	0.5
87.5°	0.3
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)