

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: P743562

Luminaire Tested: LD4D15D010-EU4DR600215IC9024-4LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P743562  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D15D010-EU4DR600215IC9024-4LBDP1B  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 925.1 lumens  
Efficiency: N/A  
Efficacy: 58.6 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
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

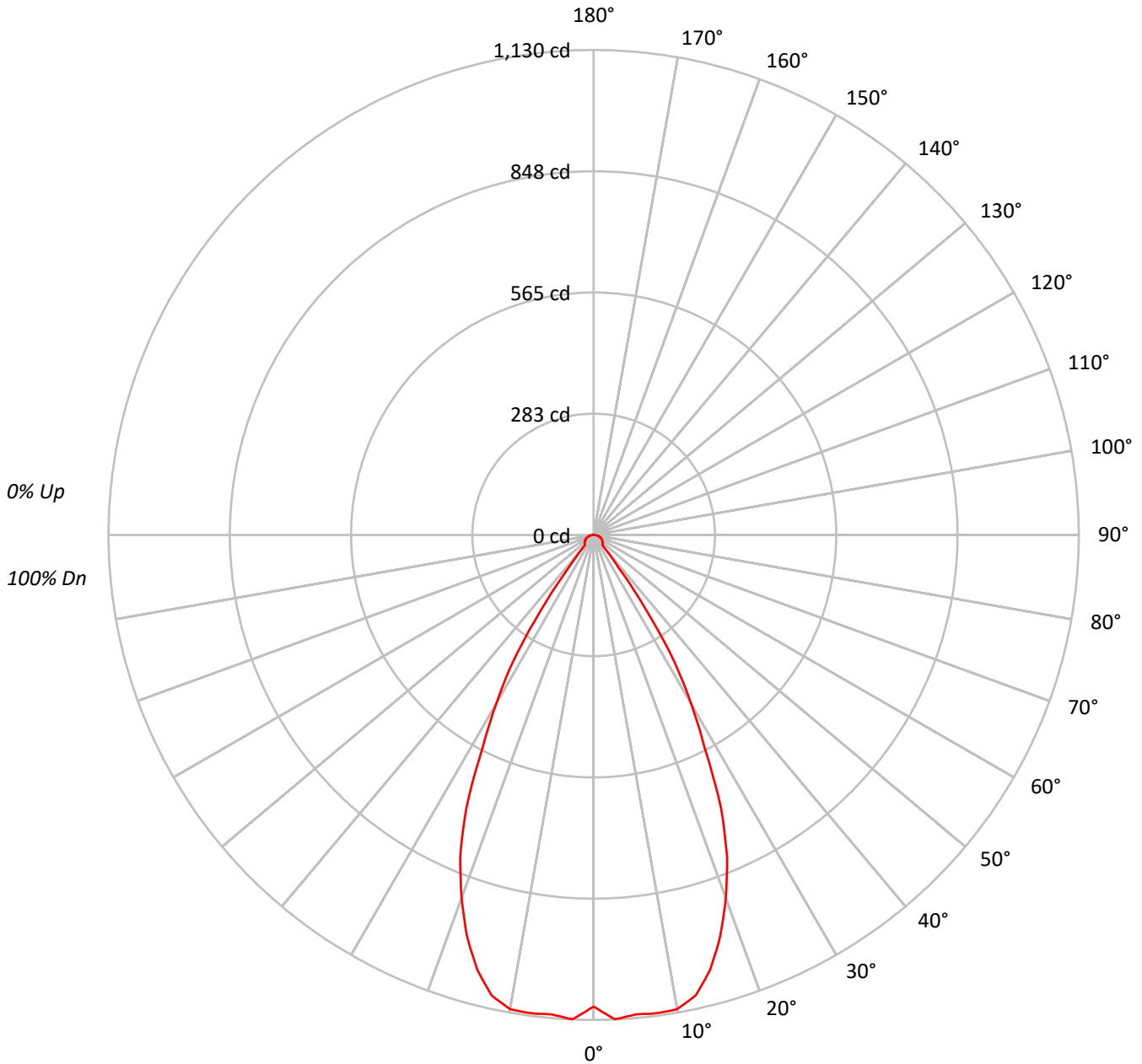


Downlight



TEST NUMBER: P743562  
CATALOG NUMBER: LD4D15D010-EU4DR600215IC9024-4LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P743562

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9024-4LBDP1B

**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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53		

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

	0°
0°	120056
5°	123004
10°	124493
15°	118590
20°	104564
25°	84570
30°	57203
35°	28664
40°	4650
45°	4543
50°	4640
55°	4724
60°	4851
65°	4938
70°	5079
75°	5108
80°	4908
85°	4137

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 5108 cd/sqm



TEST NUMBER: P743562

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9024-4LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.2	11.6
10°-20°	290.0	31.3
20°-30°	312.0	33.7
30°-40°	135.6	14.7
40°-50°	22.8	2.5
50°-60°	22.1	2.4
60°-70°	18.9	2.0
70°-80°	12.7	1.4
80°-90°	3.8	0.4
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°	709.2	76.7
0°-40°	844.8	91.3
0°-60°	889.8	96.2
0°-90°	925.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	925.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1099	
5°	1122	107
15°	1048	290
25°	702	312
35°	215	136
45°	29	23
55°	25	22
65°	19	19
75°	12	13
85°	3	4
90°	0	



TEST NUMBER: P743562

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9024-4LBDP1B

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1098.8
2.5°	1129.7
5°	1121.5
7.5°	1124.1
10°	1122.1
12.5°	1098.9
15°	1048.4
17.5°	980.7
20°	899.3
22.5°	812.2
25°	701.5
27.5°	561.1
30°	453.4
32.5°	349.5
35°	214.9
37.5°	92.0
40°	32.6
42.5°	30.0
45°	29.4
47.5°	28.5
50°	27.3
52.5°	26.0
55°	24.8
57.5°	23.4
60°	22.2
62.5°	20.7
65°	19.1
67.5°	17.6
70°	15.9
72.5°	14.0
75°	12.1
77.5°	10.0
80°	7.8
82.5°	5.6
85°	3.3
87.5°	1.1
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)