

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



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: P743625

Luminaire Tested: LD4D15D010-EU4DR600215IC9050-4LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P743625  
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-EU4DR600215IC9050-4LBDP1LI  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1515.8 lumens  
Efficiency: N/A  
Efficacy: 95.9 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 (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

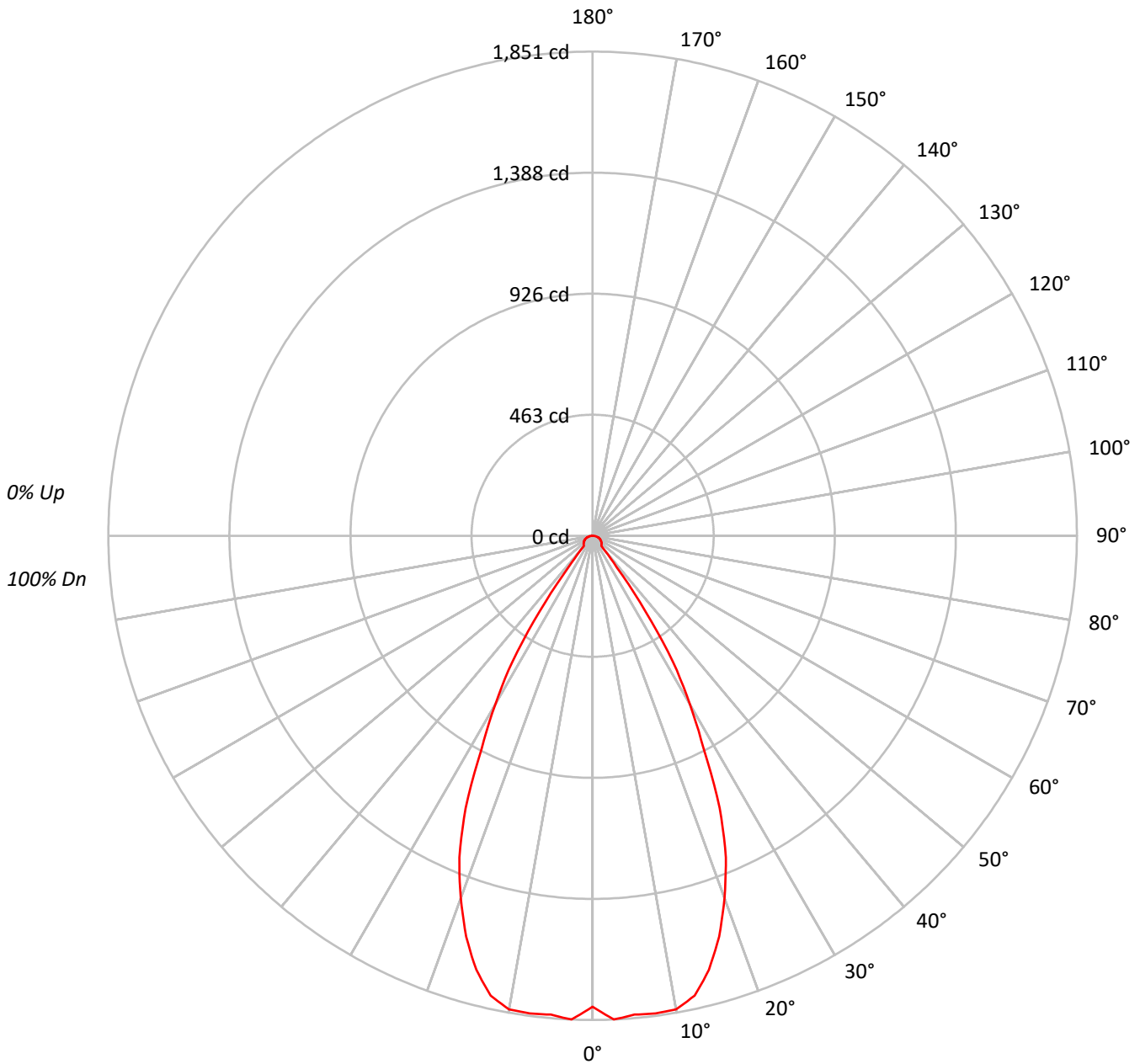


Downlight



TEST NUMBER: P743625  
CATALOG NUMBER: LD4D15D010-EU4DR600215IC9050-4LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P743625

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9050-4LBDP1LI

**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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

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

	0°
0°	196702
5°	201544
10°	203975
15°	194320
20°	171328
25°	138579
30°	93727
35°	46964
40°	7616
45°	7448
50°	7598
55°	7715
60°	7932
65°	8118
70°	8306
75°	8401
80°	8117
85°	6770

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 8401 cd/sqm



TEST NUMBER: P743625

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9050-4LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.6	11.6
10°-20°	475.2	31.3
20°-30°	511.2	33.7
30°-40°	222.2	14.7
40°-50°	37.3	2.5
50°-60°	36.3	2.4
60°-70°	31.0	2.0
70°-80°	20.8	1.4
80°-90°	6.2	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°	1162.0	76.7
0°-40°	1384.3	91.3
0°-60°	1457.8	96.2
0°-90°	1515.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1515.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1800	
5°	1838	176
15°	1718	475
25°	1150	511
35°	352	222
45°	48	37
55°	40	36
65°	31	31
75°	20	21
85°	5	6
90°	0	



TEST NUMBER: P743625

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9050-4LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1800.3
2.5°	1851.0
5°	1837.6
7.5°	1841.8
10°	1838.5
12.5°	1800.6
15°	1717.9
17.5°	1606.8
20°	1473.5
22.5°	1330.8
25°	1149.5
27.5°	919.4
30°	742.9
32.5°	572.6
35°	352.1
37.5°	150.6
40°	53.4
42.5°	49.2
45°	48.2
47.5°	46.6
50°	44.7
52.5°	42.6
55°	40.5
57.5°	38.4
60°	36.3
62.5°	34.0
65°	31.4
67.5°	28.8
70°	26.0
72.5°	23.0
75°	19.9
77.5°	16.4
80°	12.9
82.5°	9.1
85°	5.4
87.5°	1.9
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)