

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: P743589

Luminaire Tested: LD4D15D010-EU4DR600215IC9030-4LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P743589  
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-EU4DR600215IC9030-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1346.7 lumens  
Efficiency: N/A  
Efficacy: 85.2 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



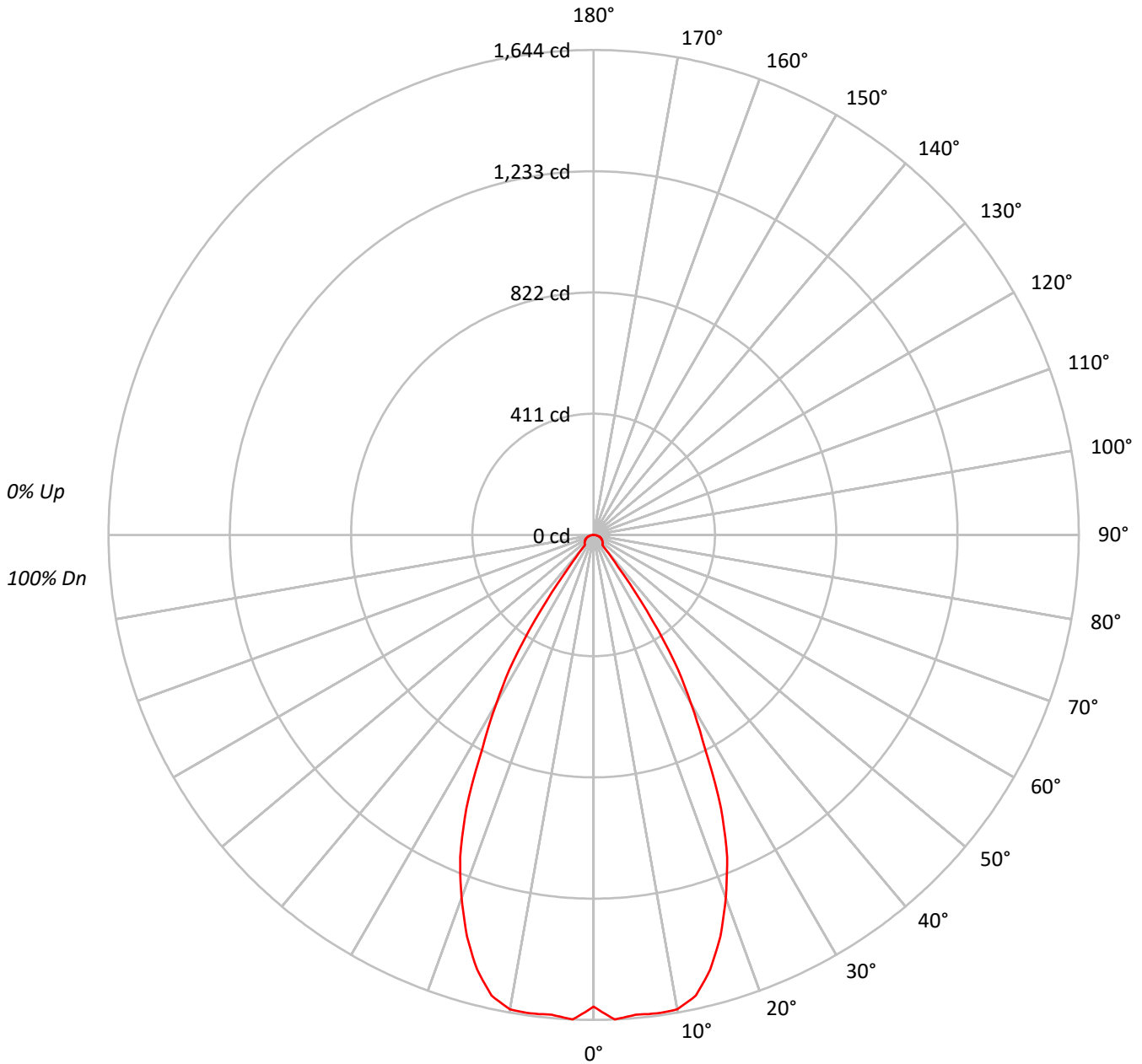
Downlight



TEST NUMBER: P743589

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9030-4LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P743589

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9030-4LBDP1H

**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	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	62	58	54	62	57	54	61	57	54	53																			

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

	0°
0°	174741
5°	179050
10°	181209
15°	172625
20°	152201
25°	123100
30°	83268
35°	41722
40°	6761
45°	6629
50°	6765
55°	6858
60°	7058
65°	7213
70°	7379
75°	7472
80°	7236
85°	6017

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 7472 cd/sqm



TEST NUMBER: P743589

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9030-4LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.0	11.6
10°-20°	422.1	31.3
20°-30°	454.2	33.7
30°-40°	197.4	14.7
40°-50°	33.2	2.5
50°-60°	32.2	2.4
60°-70°	27.6	2.0
70°-80°	18.5	1.4
80°-90°	5.5	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°	1032.3	76.7
0°-40°	1229.7	91.3
0°-60°	1295.1	96.2
0°-90°	1346.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1346.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1599	
5°	1632	156
15°	1526	422
25°	1021	454
35°	313	197
45°	43	33
55°	36	32
65°	28	28
75°	18	18
85°	5	6
90°	0	



TEST NUMBER: P743589

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9030-4LBDP1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1599.3
2.5°	1644.3
5°	1632.5
7.5°	1636.2
10°	1633.3
12.5°	1599.6
15°	1526.1
17.5°	1427.4
20°	1309.0
22.5°	1182.2
25°	1021.1
27.5°	816.7
30°	660.0
32.5°	508.7
35°	312.8
37.5°	133.8
40°	47.4
42.5°	43.7
45°	42.9
47.5°	41.4
50°	39.8
52.5°	37.9
55°	36.0
57.5°	34.1
60°	32.3
62.5°	30.2
65°	27.9
67.5°	25.6
70°	23.1
72.5°	20.4
75°	17.7
77.5°	14.6
80°	11.5
82.5°	8.1
85°	4.8
87.5°	1.7
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)