

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: P743606

Luminaire Tested: LD4D15D010-EU4DR600215IC9035-4LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P743606  
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-EU4DR600215IC9035-4LBSQW1B  
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1134.4 lumens  
Efficiency: N/A  
Efficacy: 71.8 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

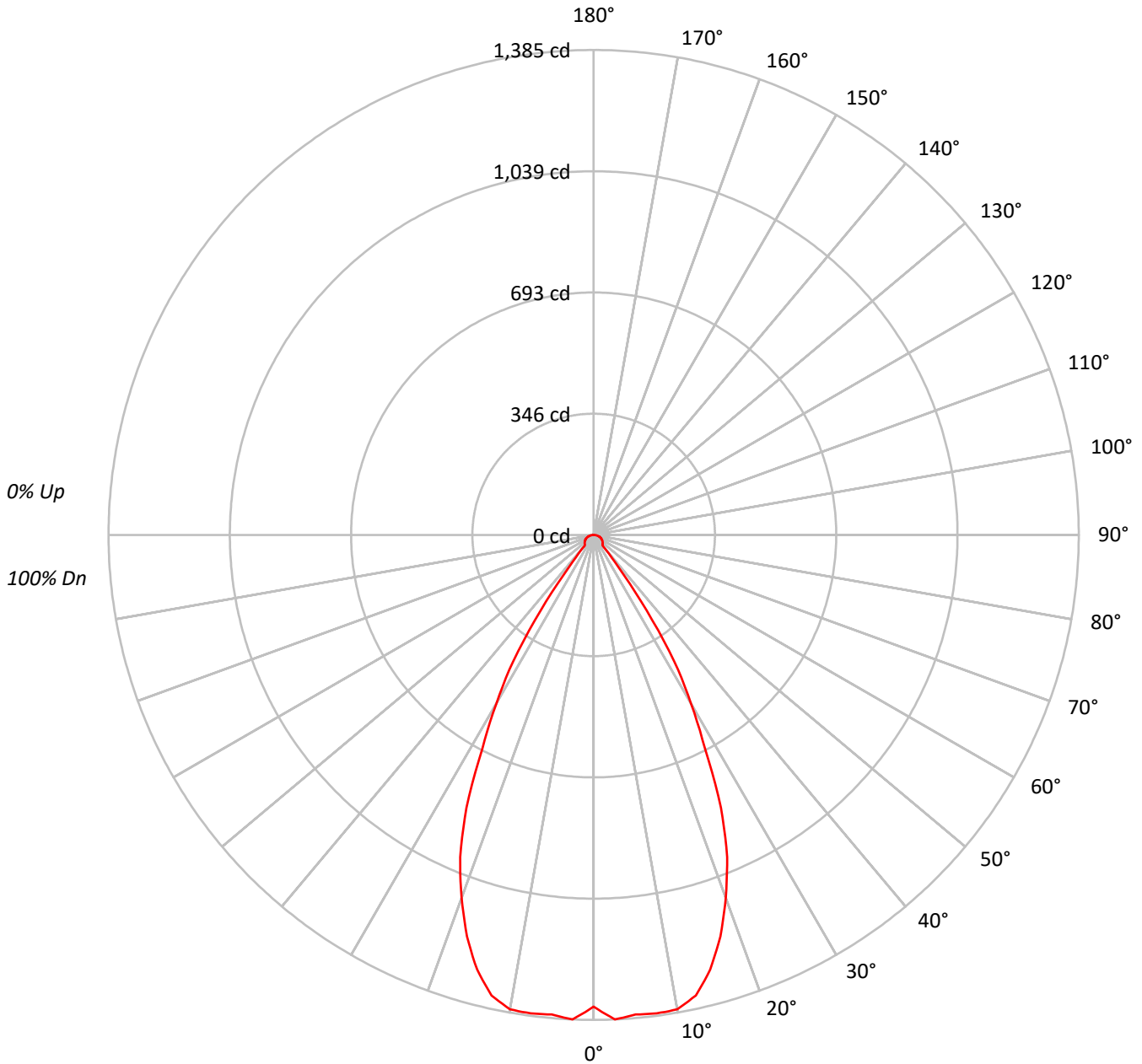


Downlight



TEST NUMBER: P743606  
CATALOG NUMBER: LD4D15D010-EU4DR600215IC9035-4LBSQW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P743606  
 CATALOG NUMBER: LD4D15D010-EU4DR600215IC9035-4LBSQW1B

**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	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°	147207
5°	150818
10°	152651
15°	145421
20°	128214
25°	103702
30°	70147
35°	35160
40°	5705
45°	5578
50°	5694
55°	5772
60°	5944
65°	6076
70°	6229
75°	6290
80°	6040
85°	5015

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 6290 cd/sqm



TEST NUMBER: P743606

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9035-4LBSQW1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.4	11.6
10°-20°	355.6	31.3
20°-30°	382.6	33.7
30°-40°	166.3	14.7
40°-50°	27.9	2.5
50°-60°	27.2	2.4
60°-70°	23.2	2.0
70°-80°	15.6	1.4
80°-90°	4.6	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°	869.6	76.7
0°-40°	1035.9	91.3
0°-60°	1091.0	96.2
0°-90°	1134.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1134.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1347	
5°	1375	131
15°	1286	356
25°	860	383
35°	264	166
45°	36	28
55°	30	27
65°	24	23
75°	15	16
85°	4	5
90°	0	



TEST NUMBER: P743606

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9035-4LBSQW1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1347.3
2.5°	1385.2
5°	1375.1
7.5°	1378.3
10°	1375.9
12.5°	1347.5
15°	1285.6
17.5°	1202.5
20°	1102.7
22.5°	995.9
25°	860.2
27.5°	688.0
30°	556.0
32.5°	428.5
35°	263.6
37.5°	112.8
40°	40.0
42.5°	36.8
45°	36.1
47.5°	34.9
50°	33.5
52.5°	31.9
55°	30.3
57.5°	28.8
60°	27.2
62.5°	25.4
65°	23.5
67.5°	21.5
70°	19.5
72.5°	17.2
75°	14.9
77.5°	12.3
80°	9.6
82.5°	6.8
85°	4.0
87.5°	1.4
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)