

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: P778273

Luminaire Tested: LERS4D15D010-EC4DR2015309050-4LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P778273  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LERS4D15D010-EC4DR2015309050-4LBS1H  
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1605.9 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
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

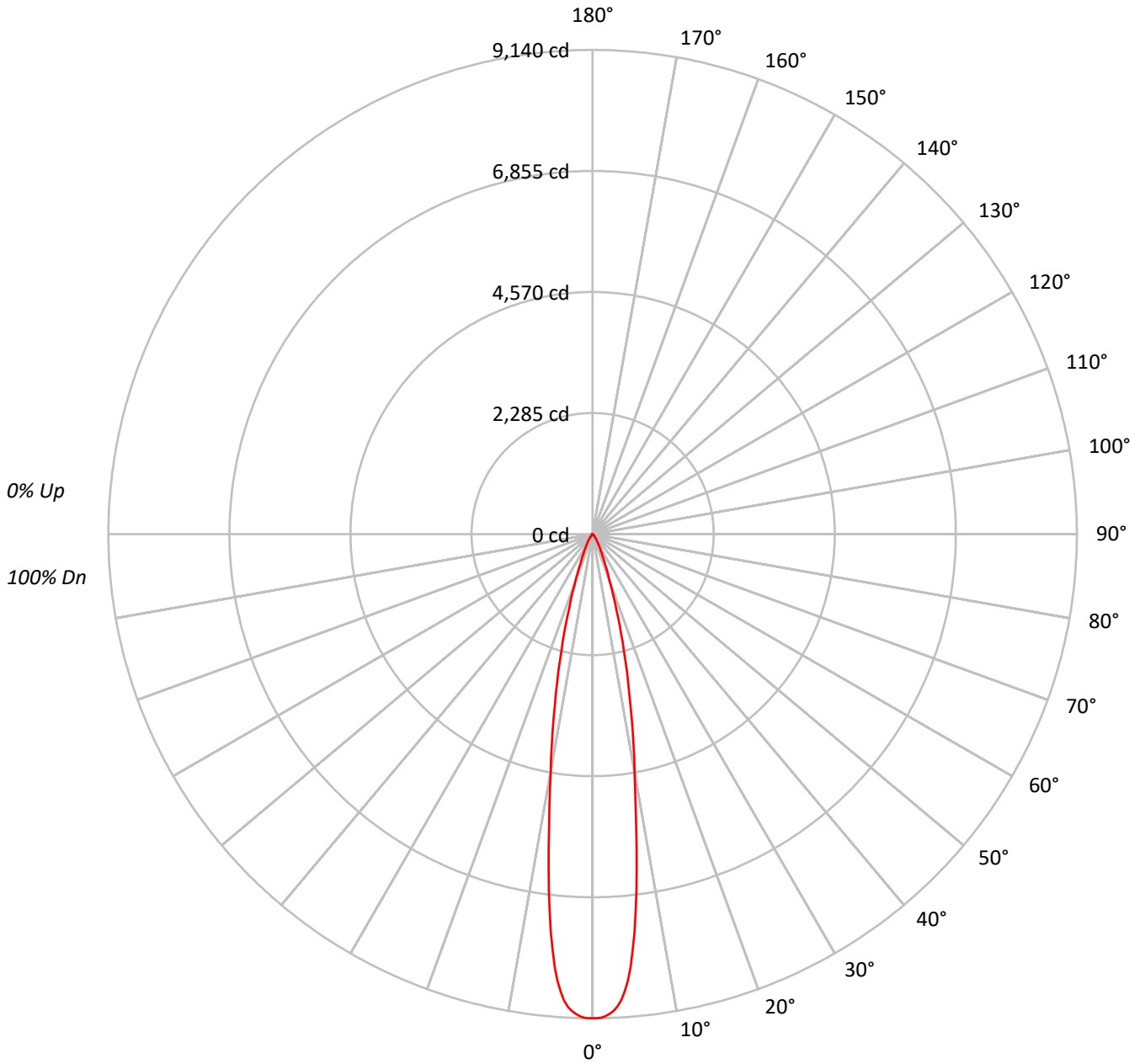


Downlight



TEST NUMBER: P778273  
CATALOG NUMBER: LERS4D15D010-EC4DR2015309050-4LBS1H

### Luminous Intensity Polar Plot





TEST NUMBER: P778273

CATALOG NUMBER: LERS4D15D010-EC4DR2015309050-4LBS1H

**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	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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	100	99	98	97	98	96	95	94												
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94	93	92	91	94												
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	98	96	95	94	93	92	91	94												
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88	87	86	85	88												
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85	84	83	82	85												
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	88	86	84	83	82	81	80	83												
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	86	84	82	81	80	79	78	81												
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	84	82	80	79	78	77	76	79												
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	82	80	78	77	76	75	74	77												
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	81	78	76	75	74	73	72	75												

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

	0°
0°	998654
5°	900973
10°	505671
15°	257043
20°	108831
25°	50236
30°	26595
35°	14325
40°	7659
45°	4527
50°	2635
55°	1391
60°	896
65°	620
70°	256
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4527 cd/sqm



TEST NUMBER: P778273

CATALOG NUMBER: LERS4D15D010-EC4DR2015309050-4LBS1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	650.8	40.5
10°-20°	640.8	39.9
20°-30°	209.3	13.0
30°-40°	71.3	4.4
40°-50°	24.0	1.5
50°-60°	7.2	0.4
60°-70°	2.4	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	1500.9	93.5
0°-40°	1572.2	97.9
0°-60°	1603.4	99.8
0°-90°	1605.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1605.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9140	
5°	8215	651
15°	2272	641
25°	417	209
35°	107	71
45°	29	24
55°	7	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P778273

CATALOG NUMBER: LERS4D15D010-EC4DR2015309050-4LBS1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9140.1
0.5°	9140.1
1°	9128.7
1.5°	9105.9
2°	9064.4
2.5°	9009.1
3°	8930.9
3.5°	8821.9
4°	8659.9
4.5°	8462.9
5°	8214.7
5.5°	7888.3
6°	7553.8
6.5°	7170.5
7°	6795.3
7.5°	6355.8
8°	5963.5
8.5°	5568.7
9°	5204.1
9.5°	4869.6
10°	4557.8
12.5°	3272.7
15°	2272.4
17.5°	1484.6
20°	936.0
22.5°	606.4
25°	416.7
27.5°	293.0
30°	210.8
32.5°	151.4
35°	107.4
37.5°	74.9
40°	53.7
42.5°	39.1
45°	29.3
47.5°	22.8
50°	15.5
52.5°	9.8
55°	7.3
57.5°	5.7
60°	4.1
62.5°	3.3
65°	2.4



TEST NUMBER: P778273

CATALOG NUMBER: LERS4D15D010-EC4DR2015309050-4LBS1H

**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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



67.5°		1.6
70°		0.8

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

Scaled Data Report



(END OF REPORT)