

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: P777882

Luminaire Tested: LERS4D08D010-EC4DR700210IC9035-4LBS1LI

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P777882  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LERS4D08D010-EC4DR700210IC9035-4LBS1LI  
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 880.4 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.9  
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



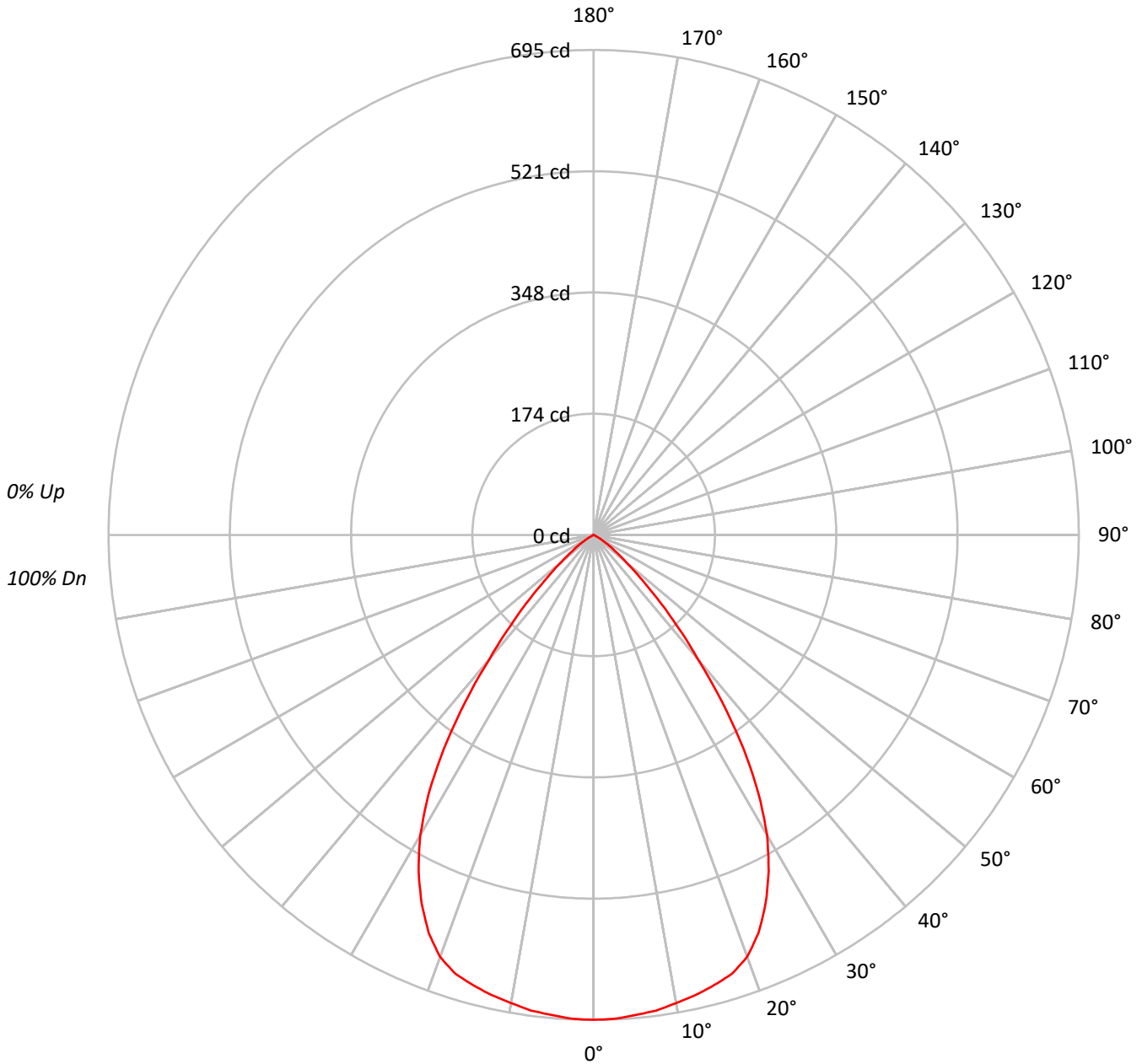
Downlight



TEST NUMBER: P777882

CATALOG NUMBER: LERS4D08D010-EC4DR700210IC9035-4LBS1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P777882

CATALOG NUMBER: LERS4D08D010-EC4DR700210IC9035-4LBS1LI

**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	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78																			
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71																			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65																			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60																			
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48																			
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44																			

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

	0°
0°	75925
5°	75733
10°	75577
15°	75550
20°	74810
25°	70272
30°	62653
35°	49952
40°	33176
45°	19825
50°	10284
55°	5410
60°	1923
65°	26
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19825 cd/sqm



TEST NUMBER: P777882

CATALOG NUMBER: LERS4D08D010-EC4DR700210IC9035-4LBS1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.7	7.5
10°-20°	188.3	21.4
20°-30°	265.7	30.2
30°-40°	229.4	26.1
40°-50°	102.7	11.7
50°-60°	26.9	3.1
60°-70°	1.8	0.2
70°-80°	0.0	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°	519.7	59.0
0°-40°	749.1	85.1
0°-60°	878.7	99.8
0°-90°	880.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	880.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	695	
5°	690	66
15°	668	188
25°	583	266
35°	374	229
45°	128	103
55°	28	27
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P777882

CATALOG NUMBER: LERS4D08D010-EC4DR700210IC9035-4LBS1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	694.9
2.5°	694.2
5°	690.5
7.5°	687.5
10°	681.2
12.5°	675.4
15°	667.9
17.5°	659.3
20°	643.4
22.5°	617.3
25°	582.9
27.5°	543.1
30°	496.6
32.5°	439.7
35°	374.5
37.5°	302.5
40°	232.6
42.5°	176.7
45°	128.3
47.5°	88.5
50°	60.5
52.5°	41.7
55°	28.4
57.5°	17.1
60°	8.8
62.5°	2.8
65°	0.1
67.5°	0.0
70°	0.0
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



(END OF REPORT)