

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: P778482

Luminaire Tested: LERS4D15D010-EC4DR650215IC9035-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P778482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS4D15D010-EC4DR650215IC9035-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1373.0 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): 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



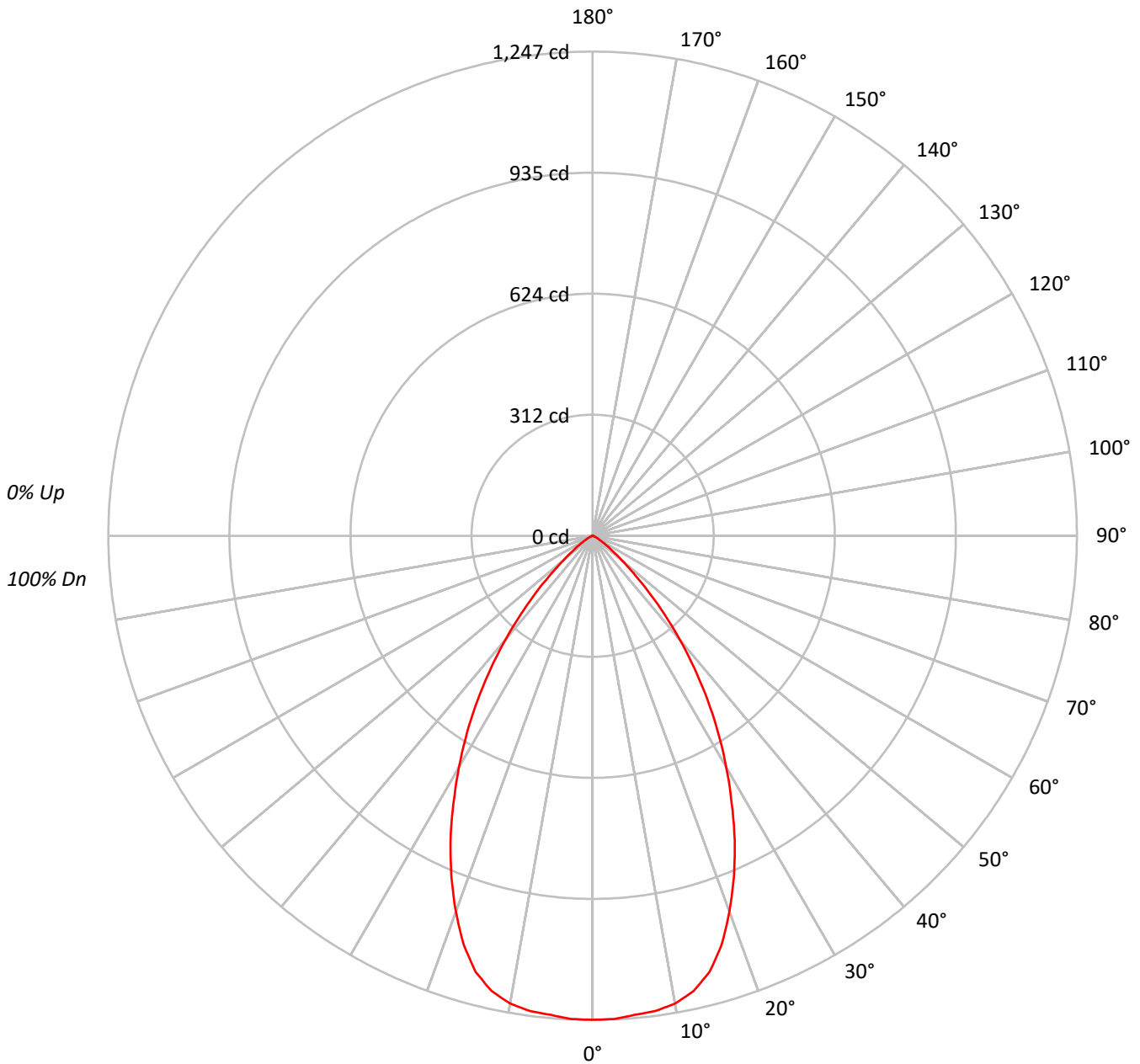
Downlight



TEST NUMBER: P778482

CATALOG NUMBER: LERS4D15D010-EC4DR650215IC9035-4LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P778482

CATALOG NUMBER: LERS4D15D010-EC4DR650215IC9035-4LBS1LI

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				100															
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93				93															
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78				78															
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72				72															
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66				66															
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61															
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56				56															
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52															
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				49															
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46				46															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72806
5°	72621
10°	72559
15°	70326
20°	64023
25°	55787
30°	46405
35°	36768
40°	26539
45°	16767
50°	8741
55°	4643
60°	2441
65°	1340
70°	564
75°	632
80°	437
85°	402

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16767 cd/sqm



TEST NUMBER: P778482

CATALOG NUMBER: LERS4D15D010-EC4DR650215IC9035-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	8.6
10°-20°	322.8	23.5
20°-30°	394.6	28.7
30°-40°	320.2	23.3
40°-50°	159.6	11.6
50°-60°	44.5	3.2
60°-70°	10.1	0.7
70°-80°	2.6	0.2
80°-90°	0.7	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°	835.3	60.8
0°-40°	1155.5	84.2
0°-60°	1359.6	99.0
0°-90°	1373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1373.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1247	
5°	1239	118
15°	1163	323
25°	866	395
35°	516	320
45°	203	160
55°	46	45
65°	10	10
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P778482

CATALOG NUMBER: LERS4D15D010-EC4DR650215IC9035-4LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1246.6
2.5°	1245.7
5°	1238.7
7.5°	1234.7
10°	1223.5
12.5°	1200.8
15°	1163.1
17.5°	1104.1
20°	1030.1
22.5°	950.2
25°	865.7
27.5°	775.4
30°	688.1
32.5°	601.8
35°	515.7
37.5°	429.8
40°	348.1
42.5°	271.5
45°	203.0
47.5°	141.4
50°	96.2
52.5°	66.3
55°	45.6
57.5°	30.8
60°	20.9
62.5°	14.5
65°	9.7
67.5°	4.9
70°	3.3
72.5°	3.1
75°	2.8
77.5°	1.8
80°	1.3
82.5°	0.9
85°	0.6
87.5°	0.3
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)