

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: P739642

Luminaire Tested: LD4D02D010-EU4DR650210IC9035-4LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P739642  
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: LD4D02D010-EU4DR650210IC9035-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 329.8 lumens  
Efficiency: N/A  
Efficacy: 64.7 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): 5.1  
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



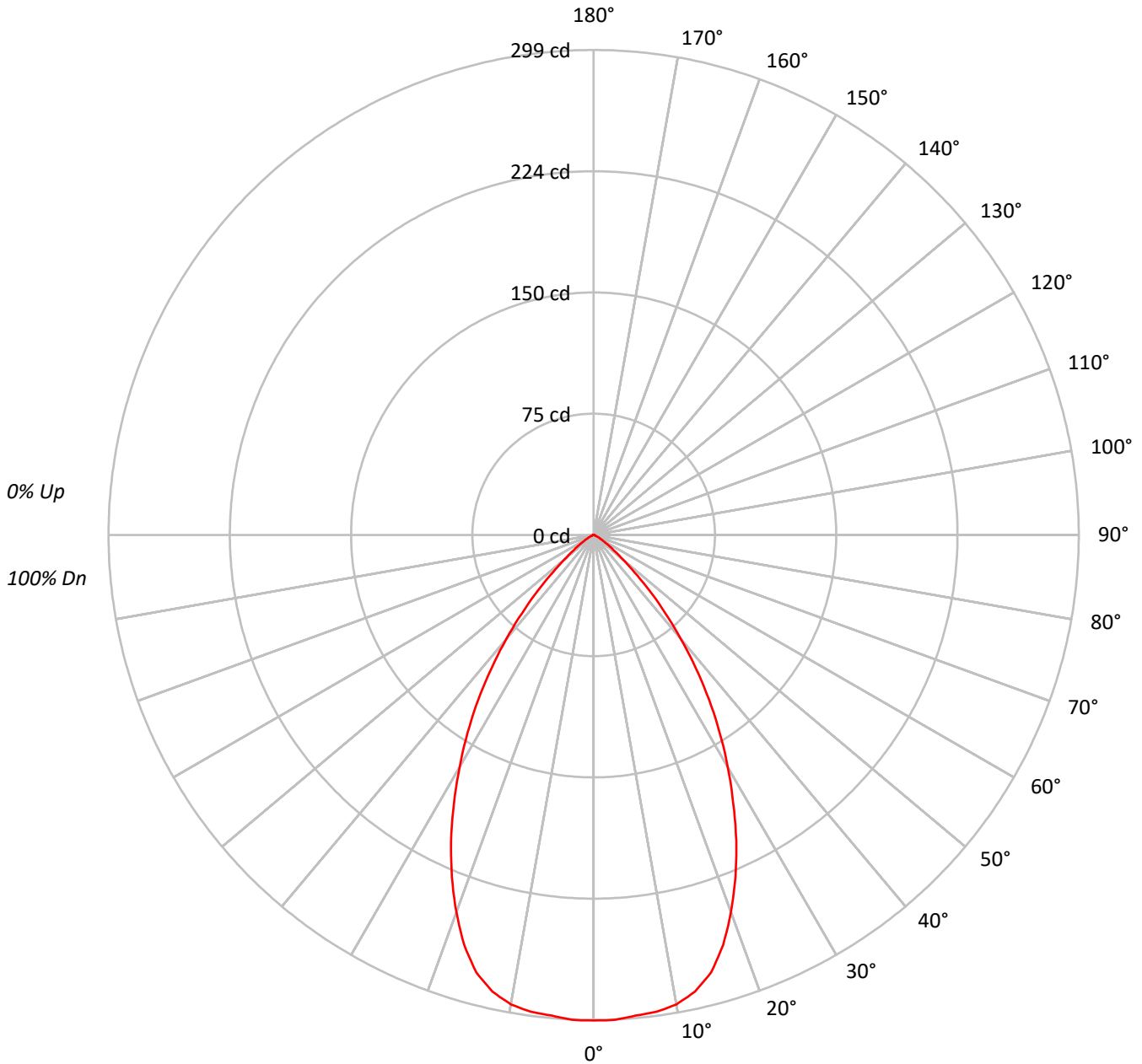
Downlight



TEST NUMBER: P739642

CATALOG NUMBER: LD4D02D010-EU4DR650210IC9035-4LBCSSQMW

### Luminous Intensity Polar Plot





TEST NUMBER: P739642

CATALOG NUMBER: LD4D02D010-EU4DR650210IC9035-4LBCSSQMW

**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			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°	17486
5°	17442
10°	17430
15°	16894
20°	15383
25°	13404
30°	11148
35°	8834
40°	6374
45°	4031
50°	2099
55°	1110
60°	584
65°	318
70°	137
75°	158
80°	101
85°	67

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4031 cd/sqm



TEST NUMBER: P739642

CATALOG NUMBER: LD4D02D010-EU4DR650210IC9035-4LBCSSQMW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.3	8.6
10°-20°	77.5	23.5
20°-30°	94.8	28.7
30°-40°	76.9	23.3
40°-50°	38.3	11.6
50°-60°	10.7	3.2
60°-70°	2.4	0.7
70°-80°	0.6	0.2
80°-90°	0.1	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°	200.7	60.8
0°-40°	277.6	84.2
0°-60°	326.6	99.0
0°-90°	329.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	329.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	299	
5°	298	28
15°	279	78
25°	208	95
35°	124	77
45°	49	38
55°	11	11
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P739642

CATALOG NUMBER: LD4D02D010-EU4DR650210IC9035-4LBCSSQMW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	299.4
2.5°	299.3
5°	297.5
7.5°	296.6
10°	293.9
12.5°	288.4
15°	279.4
17.5°	265.2
20°	247.5
22.5°	228.3
25°	208.0
27.5°	186.3
30°	165.3
32.5°	144.6
35°	123.9
37.5°	103.2
40°	83.6
42.5°	65.2
45°	48.8
47.5°	34.0
50°	23.1
52.5°	15.9
55°	10.9
57.5°	7.4
60°	5.0
62.5°	3.5
65°	2.3
67.5°	1.2
70°	0.8
72.5°	0.7
75°	0.7
77.5°	0.5
80°	0.3
82.5°	0.2
85°	0.1
87.5°	0.1
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)