

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



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: P739528

Luminaire Tested: LD4D02D010-EU4DR600210IC9024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P739528
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: LD4D02D010-EU4DR600210IC9024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 320.2 lumens
Efficiency: N/A
Efficacy: 62.8 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): 5.1
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



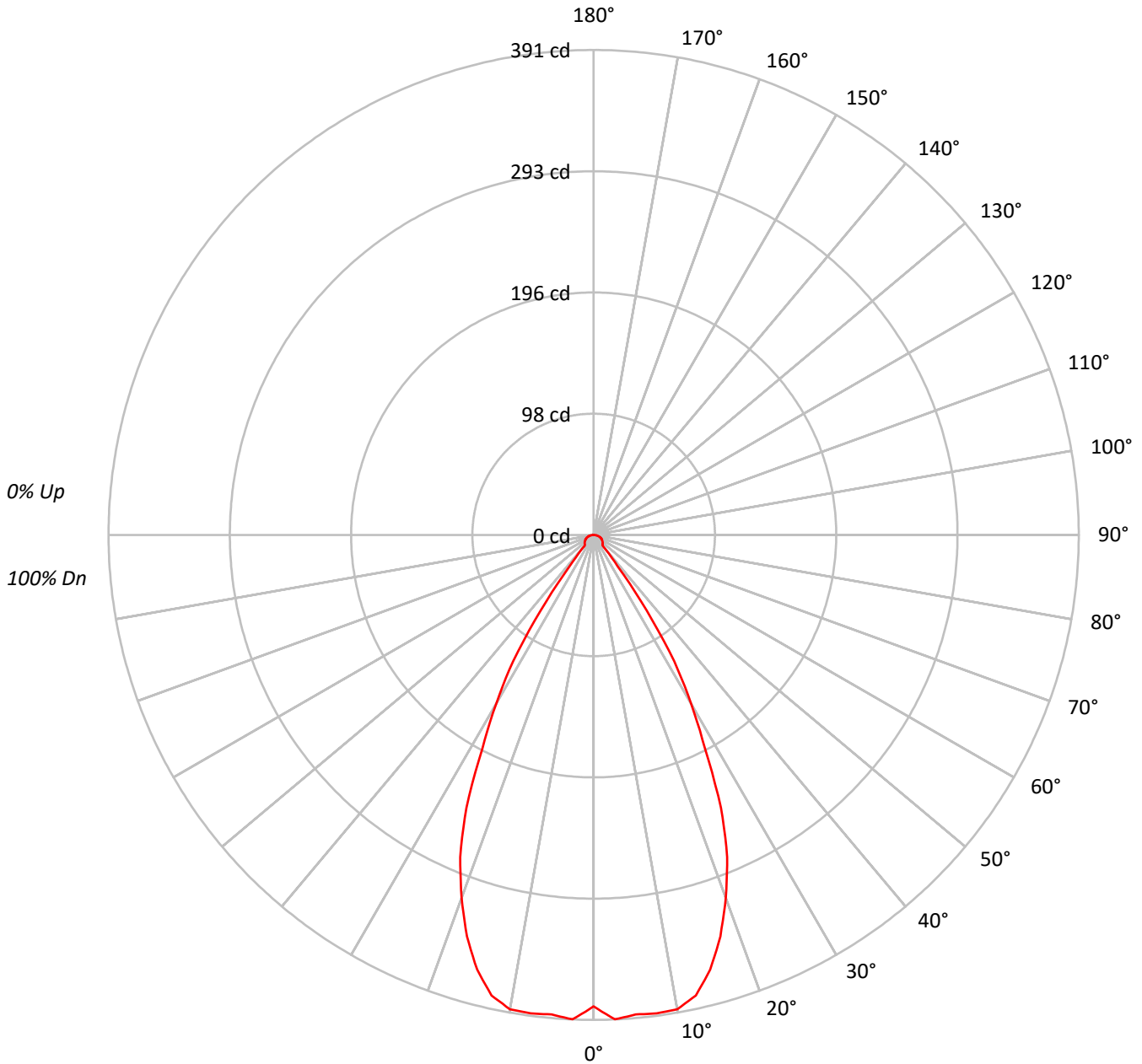
Downlight



TEST NUMBER: P739528

CATALOG NUMBER: LD4D02D010-EU4DR600210IC9024-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P739528

CATALOG NUMBER: LD4D02D010-EU4DR600210IC9024-4LBDP1LI

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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41541
5°	42566
10°	43080
15°	41038
20°	36184
25°	29271
30°	19795
35°	9924
40°	1612
45°	1576
50°	1615
55°	1619
60°	1683
65°	1706
70°	1757
75°	1773
80°	1762
85°	1379

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 72.5°
 Luminance: 1780 cd/sqm



TEST NUMBER: P739528

CATALOG NUMBER: LD4D02D010-EU4DR600210IC9024-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	11.6
10°-20°	100.4	31.3
20°-30°	108.0	33.7
30°-40°	46.9	14.7
40°-50°	7.9	2.5
50°-60°	7.7	2.4
60°-70°	6.6	2.0
70°-80°	4.4	1.4
80°-90°	1.3	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°	245.4	76.7
0°-40°	292.4	91.3
0°-60°	307.9	96.2
0°-90°	320.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	320.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	380	
5°	388	37
15°	363	100
25°	243	108
35°	74	47
45°	10	8
55°	8	8
65°	7	7
75°	4	4
85°	1	1
90°	0	



TEST NUMBER: P739528

CATALOG NUMBER: LD4D02D010-EU4DR600210IC9024-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	380.2
2.5°	390.9
5°	388.1
7.5°	389.0
10°	388.3
12.5°	380.3
15°	362.8
17.5°	339.4
20°	311.2
22.5°	281.1
25°	242.8
27.5°	194.2
30°	156.9
32.5°	120.9
35°	74.4
37.5°	31.8
40°	11.3
42.5°	10.4
45°	10.2
47.5°	9.9
50°	9.5
52.5°	9.0
55°	8.5
57.5°	8.1
60°	7.7
62.5°	7.2
65°	6.6
67.5°	6.1
70°	5.5
72.5°	4.9
75°	4.2
77.5°	3.4
80°	2.8
82.5°	1.9
85°	1.1
87.5°	0.4
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)