

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: P739534

Luminaire Tested: LD4D02D010-EU4DR600210IC9024-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P739534
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-EU4DR600210IC9024-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 243.3 lumens
Efficiency: N/A
Efficacy: 47.7 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 (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



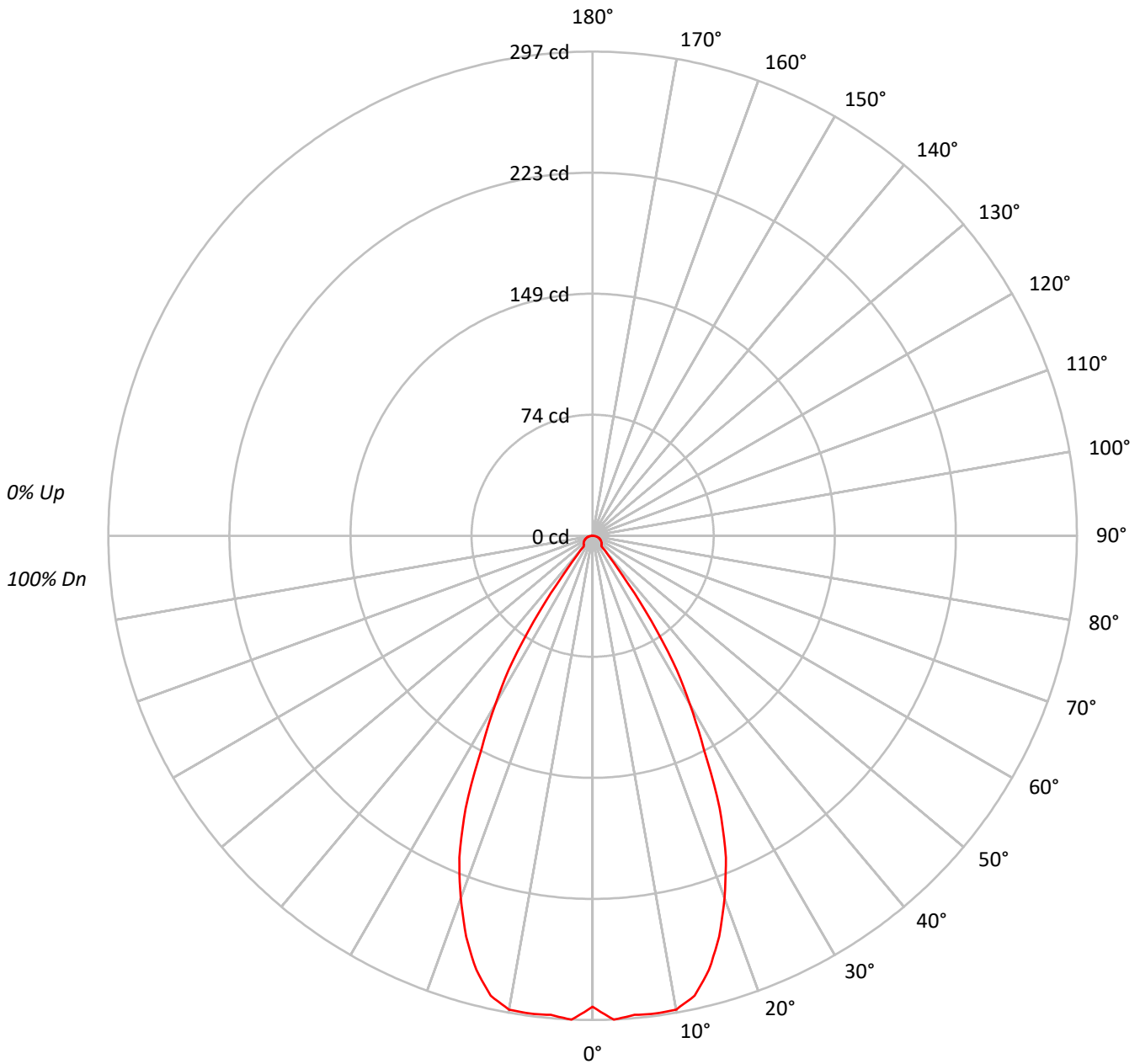
Downlight



TEST NUMBER: P739534

CATALOG NUMBER: LD4D02D010-EU4DR600210IC9024-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P739534

CATALOG NUMBER: LD4D02D010-EU4DR600210IC9024-4LBSQW1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31565
5°	32355
10°	32740
15°	31186
20°	27499
25°	22243
30°	15039
35°	7549
40°	1227
45°	1190
50°	1224
55°	1238
60°	1267
65°	1293
70°	1342
75°	1351
80°	1321
85°	1128

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 1351 cd/sqm



TEST NUMBER: P739534

CATALOG NUMBER: LD4D02D010-EU4DR600210IC9024-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	11.6
10°-20°	76.3	31.3
20°-30°	82.1	33.7
30°-40°	35.7	14.7
40°-50°	6.0	2.5
50°-60°	5.8	2.4
60°-70°	5.0	2.0
70°-80°	3.3	1.4
80°-90°	1.0	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°	186.5	76.7
0°-40°	222.2	91.3
0°-60°	234.0	96.2
0°-90°	243.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	243.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	289	
5°	295	28
15°	276	76
25°	184	82
35°	57	36
45°	8	6
55°	6	6
65°	5	5
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P739534

CATALOG NUMBER: LD4D02D010-EU4DR600210IC9024-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	288.9
2.5°	297.1
5°	295.0
7.5°	295.6
10°	295.1
12.5°	289.0
15°	275.7
17.5°	257.9
20°	236.5
22.5°	213.6
25°	184.5
27.5°	147.6
30°	119.2
32.5°	91.9
35°	56.6
37.5°	24.2
40°	8.6
42.5°	7.9
45°	7.7
47.5°	7.5
50°	7.2
52.5°	6.8
55°	6.5
57.5°	6.2
60°	5.8
62.5°	5.4
65°	5.0
67.5°	4.6
70°	4.2
72.5°	3.7
75°	3.2
77.5°	2.6
80°	2.1
82.5°	1.5
85°	0.9
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)