

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: P739183

Luminaire Tested: LD4D02D010-EU4DR350210IC9035-4LBSQW1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P739183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D02D010-EU4DR350210IC9035-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 301.2 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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

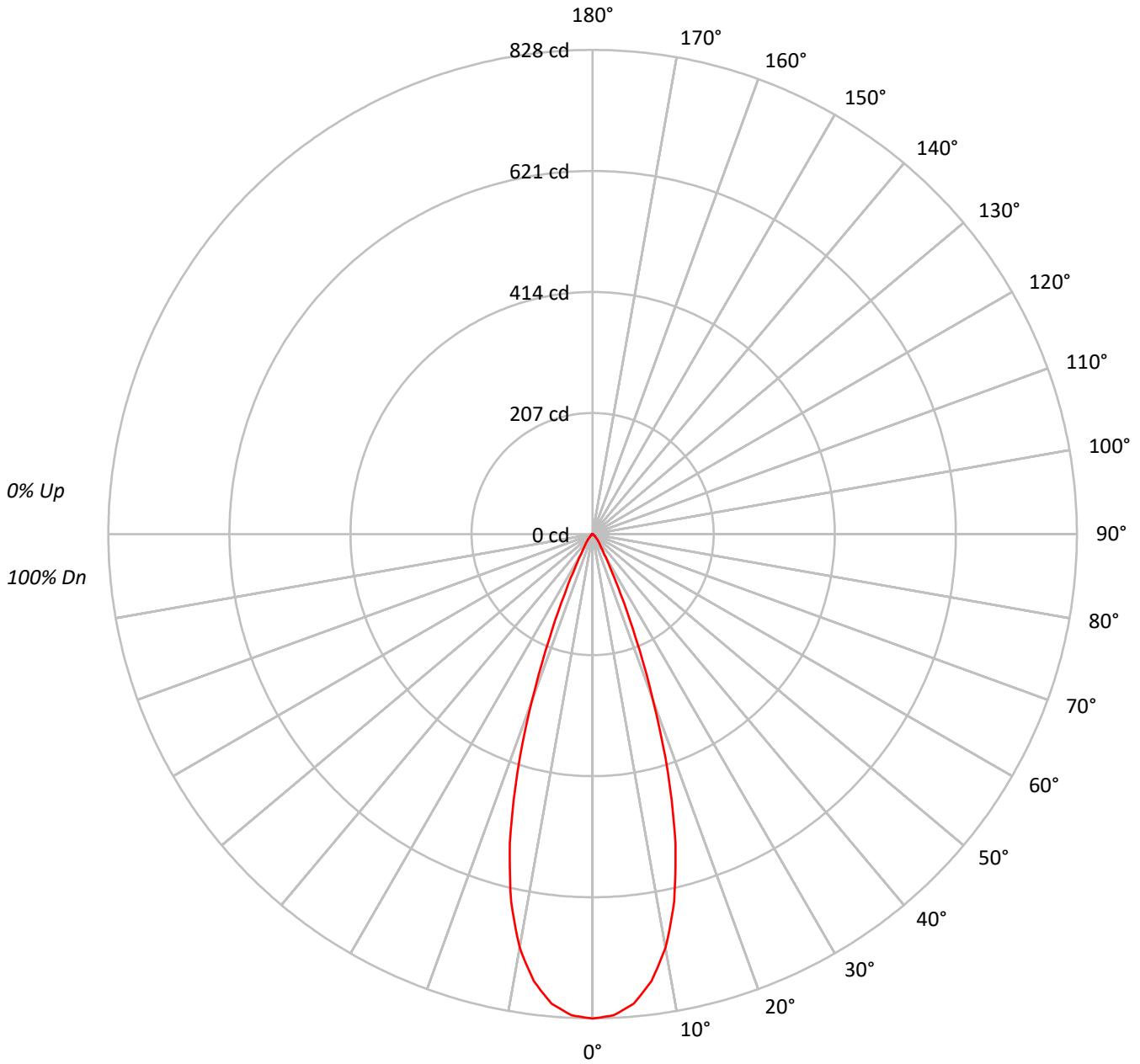


Downlight



TEST NUMBER: P739183
CATALOG NUMBER: LD4D02D010-EU4DR350210IC9035-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P739183

CATALOG NUMBER: LD4D02D010-EU4DR350210IC9035-4LBSQW1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	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	100	100	100	100	100	100	100	100	100																
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	98	96	96	96	96	96	96	96	96	96	96																
	2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	92	92	92	92	92	92	92	92	92	92																
	3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88	88	88	88	88	88	88	88	88	88	88																
	4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84	84	84	84	84	84	84	84	84	84	84																
	5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81	81	81	81	81	81	81	81	81	81	81																
	6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78	78	78	78	78	78	78	78	78	78	78																
	7	93	85	81	77	91	85	80	77	84	80	77	83	79	77	82	79	76	75	75	75	75	75	75	75	75	75	75	75																
	8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72	72	72	72	72	72	72	72	72	72	72																
	9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70	70	70	70	70	70	70	70	70	70	70																
	10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68	68	68	68	68	68	68	68	68	68	68																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90523
5°	88401
10°	79671
15°	61840
20°	35080
25°	13647
30°	5084
35°	2788
40°	1826
45°	1113
50°	714
55°	495
60°	371
65°	181
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1113 cd/sqm



TEST NUMBER: P739183

CATALOG NUMBER: LD4D02D010-EU4DR350210IC9035-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	24.6
10°-20°	144.7	48.1
20°-30°	59.0	19.6
30°-40°	14.1	4.7
40°-50°	5.9	2.0
50°-60°	2.4	0.8
60°-70°	0.8	0.3
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°	277.9	92.3
0°-40°	292.0	97.0
0°-60°	300.4	99.7
0°-90°	301.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	301.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	828	
5°	806	74
15°	547	145
25°	113	59
35°	21	14
45°	7	6
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P739183

CATALOG NUMBER: LD4D02D010-EU4DR350210IC9035-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	828.5
2.5°	823.6
5°	806.0
7.5°	771.0
10°	718.1
12.5°	643.8
15°	546.7
17.5°	428.0
20°	301.7
22.5°	192.3
25°	113.2
27.5°	64.0
30°	40.3
32.5°	28.3
35°	20.9
37.5°	16.2
40°	12.8
42.5°	9.9
45°	7.2
47.5°	5.4
50°	4.2
52.5°	3.3
55°	2.6
57.5°	2.1
60°	1.7
62.5°	1.2
65°	0.7
67.5°	0.3
70°	0.1
72.5°	0.1
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.1
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)