

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: P739395

Luminaire Tested: LD4D02D010-EU4DR500210IC9030-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P739395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D02D010-EU4DR500210IC9030-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 350.9 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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



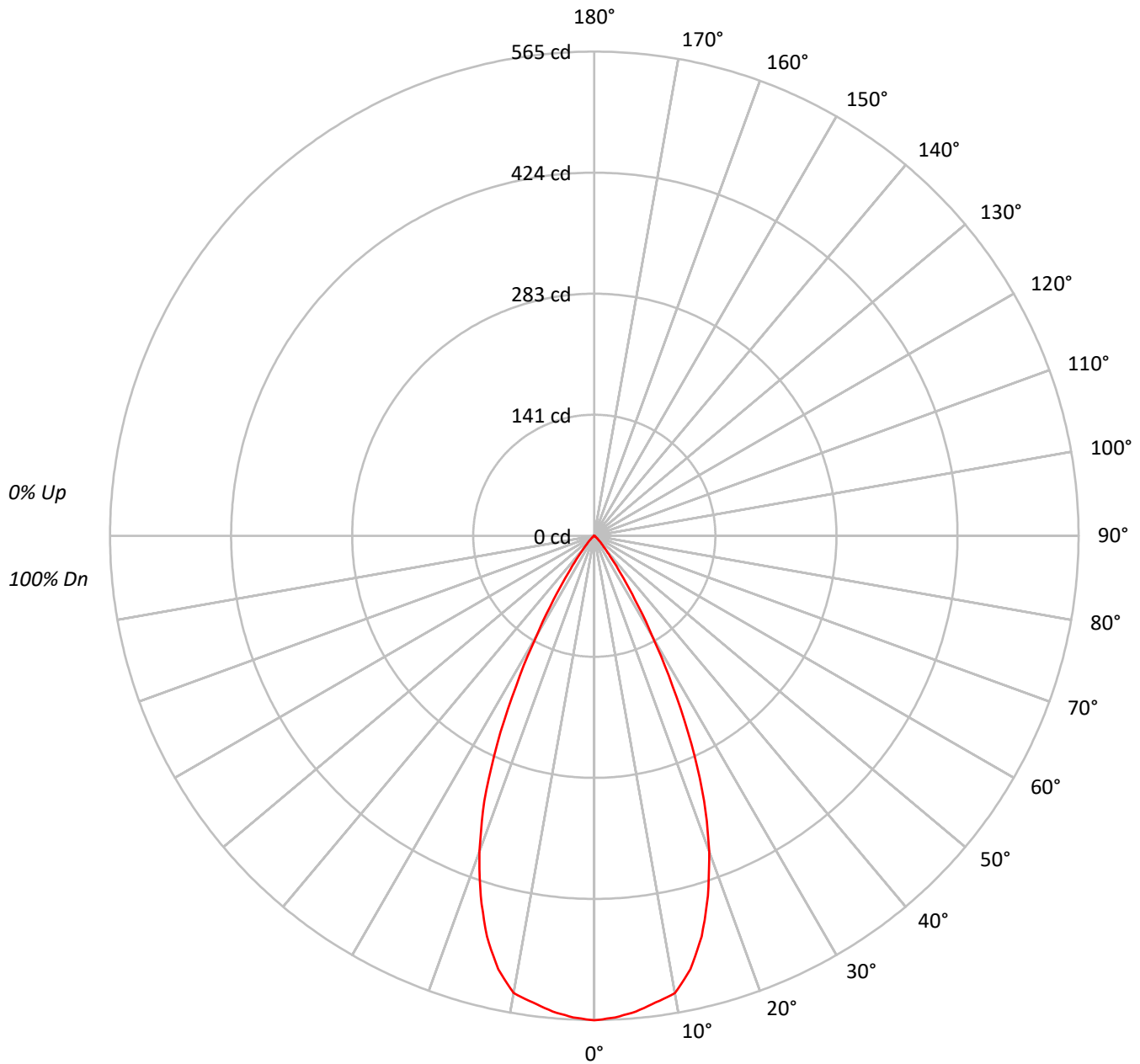
Downlight



TEST NUMBER: P739395

CATALOG NUMBER: LD4D02D010-EU4DR500210IC9030-4LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P739395

CATALOG NUMBER: LD4D02D010-EU4DR500210IC9030-4LBCSSQMW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	110	108	106	106	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87
5	96	89	84	80	95	88	83	79	86	82	79		85	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	67	84	76	71	67	75	70	67		74	70	67		73
9	81	73	68	64	80	72	67	64	71	67	64		71	67	64		70
10	78	70	64	61	77	69	64	61	68	64	61		68	64	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61776
5°	61124
10°	60122
15°	54748
20°	45556
25°	32345
30°	17120
35°	6976
40°	2596
45°	1190
50°	493
55°	248
60°	131
65°	26
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1190 cd/sqm



TEST NUMBER: P739395

CATALOG NUMBER: LD4D02D010-EU4DR500210IC9030-4LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	15.0
10°-20°	133.1	37.9
20°-30°	119.6	34.1
30°-40°	37.4	10.7
40°-50°	6.6	1.9
50°-60°	1.3	0.4
60°-70°	0.2	0.1
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°	305.4	87.0
0°-40°	342.9	97.7
0°-60°	350.7	99.9
0°-90°	350.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	350.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	565	
5°	557	53
15°	484	133
25°	268	120
35°	52	37
45°	8	7
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P739395

CATALOG NUMBER: LD4D02D010-EU4DR500210IC9030-4LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	565.4
2.5°	562.6
5°	557.3
7.5°	549.3
10°	541.9
12.5°	518.1
15°	484.0
17.5°	440.7
20°	391.8
22.5°	335.2
25°	268.3
27.5°	197.2
30°	135.7
32.5°	88.3
35°	52.3
37.5°	30.0
40°	18.2
42.5°	11.8
45°	7.7
47.5°	4.7
50°	2.9
52.5°	1.9
55°	1.3
57.5°	0.9
60°	0.6
62.5°	0.3
65°	0.1
67.5°	0.1
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)