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: P738794

Luminaire Tested: LD4D02D010-EU4DR100210IC9035-4LBSQW1MW

Issue Date: 2/2/2024

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P738794
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-4)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	2/2/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LD4D02D010-EU4DR100210IC9035-4LBSQW1MW
Description:	4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 10° OPTIC
Light Source:	(1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	330.9 lumens
Efficiency:	N/A
Efficacy:	64.9 lumens/watt
Spacing Criteria (0/90/45):	0.17 / 0.17 / 0.18
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

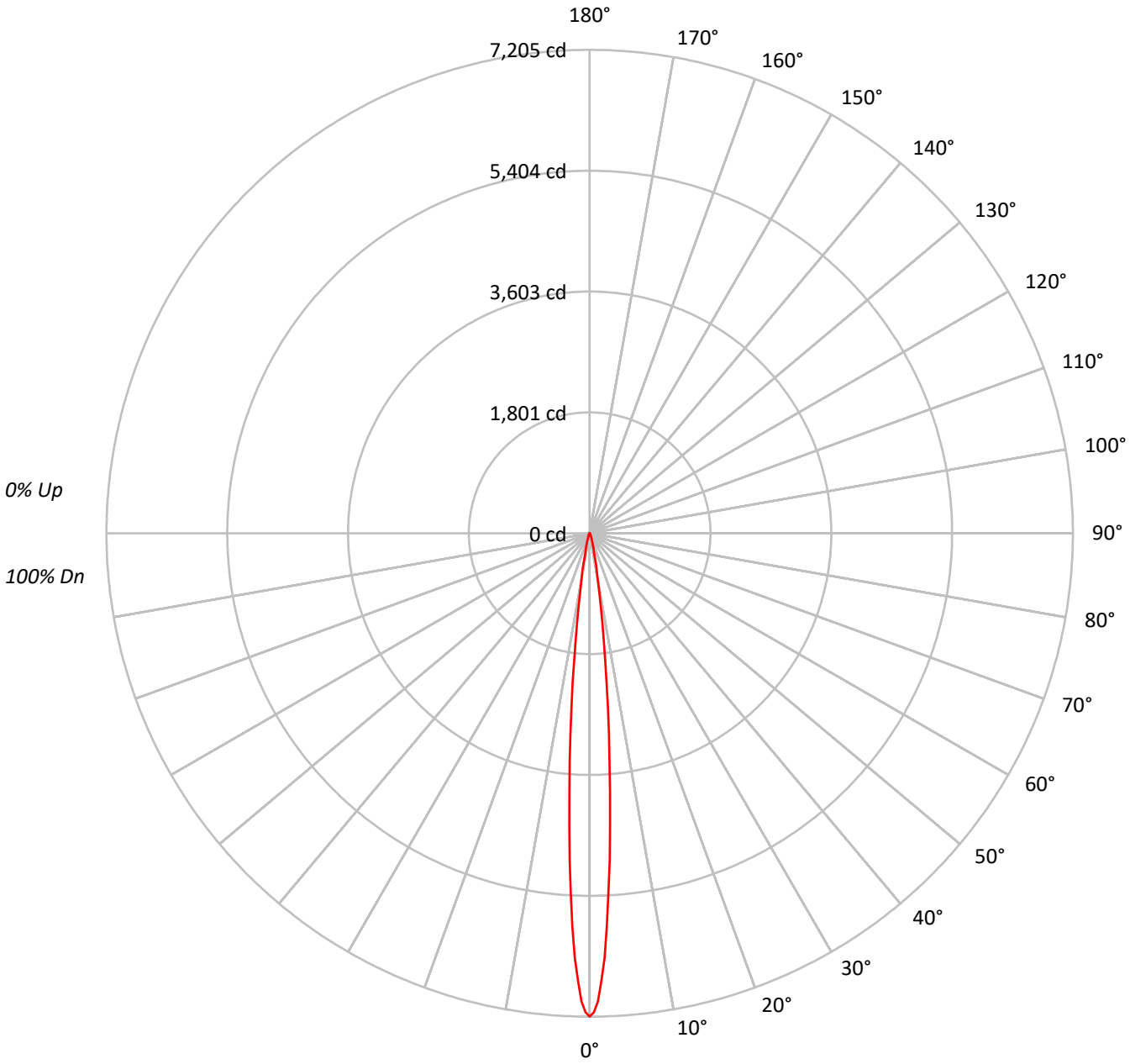
Downlight

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P738794
CATALOG NUMBER: LD4D02D010-EU4DR100210IC9035-4LBSQW1MW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P738794
CATALOG NUMBER: LD4D02D010-EU4DR100210IC9035-4LBSQW1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	113	111	114	112	111	109	108	107	106	104	104	103	101	101	100	98
2	113	110	108	106	111	108	106	104	105	104	102	103	101	100	100	99	98	97
3	111	107	104	102	109	106	103	101	103	101	99	101	99	98	99	98	96	95
4	108	104	101	99	107	103	100	98	101	99	97	99	97	96	98	96	95	94
5	106	102	99	96	105	101	98	96	99	97	95	98	96	94	97	95	94	93
6	104	100	96	94	103	99	96	94	98	95	93	97	94	93	96	94	92	91
7	103	98	95	93	102	97	94	92	96	94	92	95	93	92	95	93	91	90
8	101	96	93	91	100	96	93	91	95	92	91	94	92	90	93	92	90	89
9	100	95	92	90	99	94	92	90	94	91	90	93	91	89	93	91	89	88
10	98	94	91	89	98	93	91	89	93	90	89	92	90	88	92	90	88	87

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	787191
5°	373289
10°	76553
15°	21017
20°	8465
25°	4545
30°	2687
35°	1747
40°	1170
45°	757
50°	425
55°	305
60°	175
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 757 cd/sqm

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P738794
CATALOG NUMBER: LD4D02D010-EU4DR100210IC9035-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.3	71.1
10°-20°	63.7	19.2
20°-30°	18.2	5.5
30°-40°	8.3	2.5
40°-50°	3.8	1.2
50°-60°	1.3	0.4
60°-70°	0.3	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°	317.2	95.9
0°-40°	325.5	98.4
0°-60°	330.6	99.9
0°-90°	330.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	330.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7205	
5°	3404	235
15°	186	64
25°	38	18
35°	13	8
45°	5	4
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P738794
CATALOG NUMBER: LD4D02D010-EU4DR100210IC9035-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	7204.7
0.5°	7142.5
1°	6982.9
1.5°	6675.1
2°	6330.5
2.5°	5875.4
3°	5369.6
3.5°	4880.1
4°	4352.1
4.5°	3865.9
5°	3403.5
5.5°	2984.4
6°	2584.9
6.5°	2233.8
7°	1903.1
7.5°	1620.7
8°	1370.2
8.5°	1150.9
9°	961.0
9.5°	816.1
10°	690.0
12.5°	329.0
15°	185.8
17.5°	113.0
20°	72.8
22.5°	50.7
25°	37.7
27.5°	27.8
30°	21.3
32.5°	16.4
35°	13.1
37.5°	9.8
40°	8.2
42.5°	6.5
45°	4.9
47.5°	3.3
50°	2.5
52.5°	1.6
55°	1.6
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P738794
CATALOG NUMBER: LD4D02D010-EU4DR100210IC9035-4LBSQW1MW

CANDELA DISTRIBUTION (continued):

	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*

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Report Generated By 670245859 / DESKTOP-T8S5UU9

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

0°-180°

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

67.5°	*0.0*
70°	*0.0*

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

(END OF REPORT)