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: P744822

Luminaire Tested: LD4D25D010-EU4DR1515309030-4LBCSSQMMS

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:	P744822
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	2/2/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LD4D25D010-EU4DR1515309030-4LBCSSQMMS
Description:	4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 15° OPTIC
Light Source:	(1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver:	-

Summary

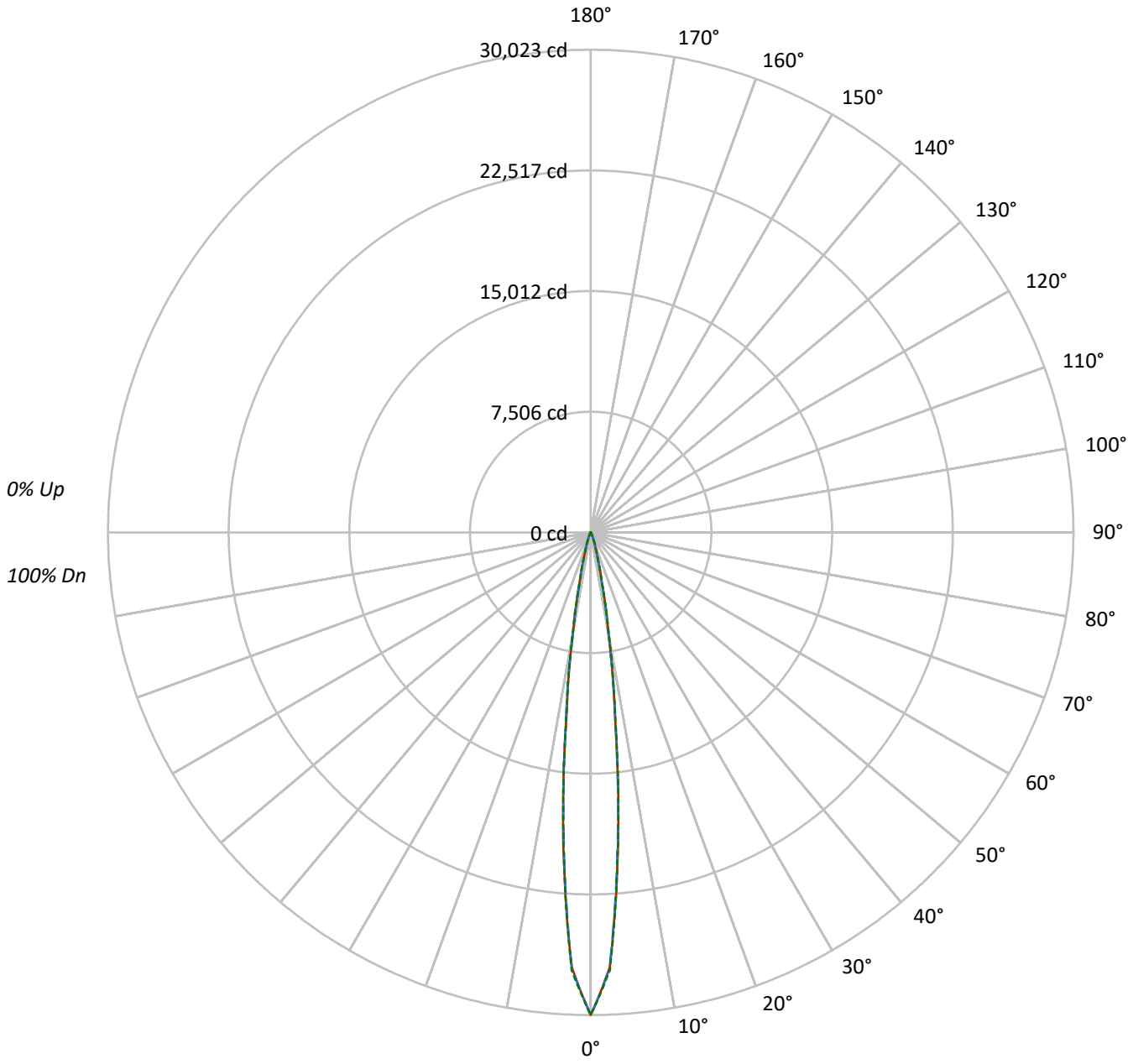
Lumens per Lamp:	N/A
Luminaire Lumens:	2203.5 lumens
Efficiency:	N/A
Efficacy:	87.8 lumens/watt
Spacing Criteria (0/90/45):	0.22 / 0.22 / 0.23
Luminous Opening:	Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type:	Direct

Input Watts (W):	25.1
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: P744822
CATALOG NUMBER: LD4D25D010-EU4DR1515309030-4LBCSSQMMS

Luminous Intensity Polar Plot



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

Scaled Data Report

TEST NUMBER: P744822
CATALOG NUMBER: LD4D25D010-EU4DR1515309030-4LBCSSQMMS

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	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3378164	3378164	3378164
5°	1985168	1959466	1974965
10°	592485	596627	605762
15°	147370	150245	145607
20°	44094	51057	45027
25°	15541	19802	15744
30°	5713	7518	5803
35°	2861	3232	2767
40°	1804	1988	1804
45°	1337	1421	1337
50°	1064	1064	1064
55°	884	884	884
60°	716	716	716
65°	542	542	542
70°	468	468	468
75°	287	287	385
80°	197	197	197
85°	108	108	108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
Vertical Angle: 45°
Luminance: 1421 cd/sqm

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

Scaled Data Report

TEST NUMBER: P744822
CATALOG NUMBER: LD4D25D010-EU4DR1515309030-4LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1429.1	64.9
10°-20°	587.8	26.7
20°-30°	116.8	5.3
30°-40°	29.1	1.3
40°-50°	15.3	0.7
50°-60°	11.4	0.5
60°-70°	8.0	0.4
70°-80°	4.6	0.2
80°-90°	1.4	0.1
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°	2133.8	96.8
0°-40°	2162.9	98.2
0°-60°	2189.6	99.4
0°-90°	2203.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2203.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30023	30023	30023	30023	30023	
5°	19534	19333	19281	19414	19433	1426
15°	1697	1728	1730	1699	1676	582
25°	200	226	254	225	202	105
35°	39	42	44	42	38	27
45°	19	19	20	19	19	15
55°	13	13	13	13	13	11
65°	8	8	8	8	8	8
75°	4	4	4	4	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P744822
CATALOG NUMBER: LD4D25D010-EU4DR1515309030-4LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*30022.8*	*30022.8*	*30022.8*	*30022.8*	*30022.8*
2.5°	*27081.8*	27104.7	27113.6	27140.3	27239.4
5°	*19533.5*	19332.7	19280.6	19414.0	19433.1
7.5°	*11570.9*	11611.6	11760.3	11793.3	11673.8
10°	*6349.8*	6401.9	6394.2	6440.0	6492.1
12.5°	*3247.3*	3206.7	3193.9	3246.1	3173.6
15°	*1696.7*	1728.5	1729.8	1699.3	1676.4
17.5°	*912.6*	949.4	1010.4	960.9	884.6
20°	*538.9*	571.9	624.0	583.4	550.3
22.5°	*333.0*	359.7	396.5	364.8	338.1
25°	*199.5*	226.2	254.2	225.0	202.1
27.5°	*118.2*	141.1	158.9	139.8	116.9
30°	*76.3*	89.0	100.4	87.7	77.5
32.5°	*53.4*	58.5	63.5	58.5	53.4
35°	*39.4*	41.9	44.5	41.9	38.1
37.5°	*30.5*	33.0	34.3	31.8	29.2
40°	*25.4*	26.7	28.0	26.7	25.4
42.5°	*21.6*	22.9	22.9	22.9	21.6
45°	*19.1*	19.1	20.3	19.1	19.1
47.5°	*16.5*	16.5	17.8	16.5	16.5
50°	*15.3*	15.3	15.3	15.3	15.3
52.5°	*14.0*	14.0	14.0	14.0	14.0
55°	*12.7*	12.7	12.7	12.7	12.7
57.5°	*11.4*	11.4	11.4	11.4	11.4
60°	*10.2*	10.2	10.2	10.2	10.2
62.5°	*8.9*	8.9	8.9	8.9	8.9
65°	*7.6*	7.6	7.6	7.6	7.6
67.5°	*7.6*	7.6	7.6	7.6	7.6
70°	*6.4*	6.4	6.4	6.4	6.4
72.5°	*5.1*	5.1	5.1	5.1	5.1
75°	*3.8*	3.8	3.8	3.8	5.1
77.5°	*3.8*	3.8	3.8	3.8	3.8
80°	*2.5*	2.5	2.5	2.5	2.5
82.5°	*2.5*	2.5	2.5	2.5	2.5
85°	*1.3*	1.3	1.3	1.3	1.3
87.5°	*0.0*	0.0	0.0	0.0	0.0
90°	*0.0*	0.0	0.0	0.0	0.0

Report Generated By 670245859 / DESKTOP-T8S5UU9

0°-180° 45°-225° 90°-270°

(END OF REPORT)