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: P1320655

Luminaire Tested: LDSQA3D02R25B2750DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

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1121 Highway 74 South   Scaled Data Report
Peachtree City, GA 30269

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Test Information

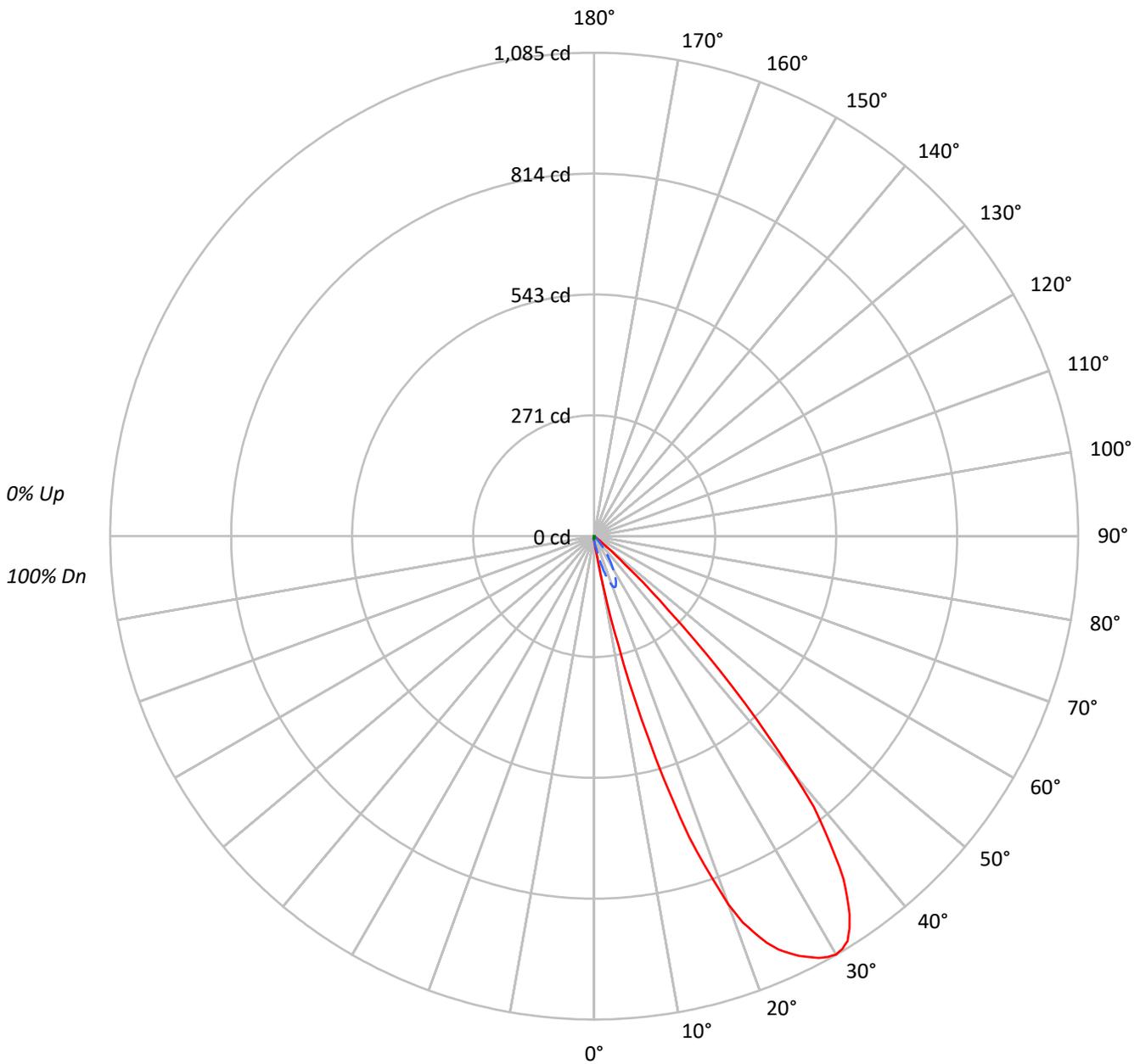|	
Test Method:	LM-79-2019
Report Number:	P1320655
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D02R25B2750DE010 3LSQCA30R 1MW_2700K
Description:	3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	217.0 lumens
Efficiency:	N/A
Efficacy:	74.8 lumens/watt
Spacing Criteria (0/90/45):	2.36 / 0.52 / 1.27
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct
Input Watts (W):	2.9
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

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Luminous Intensity Polar Plot

0% Up

100% Dn

Legend: 0°-180° (red solid) — 45°-225° (blue dashed) — 90°-270° (green dashed)

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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1602	1602	1602	1602	1602
5°	4028	2974	1504	778	588
10°	17593	5072	1242	350	245
15°	83675	13640	874	143	107
20°	161081	21865	550	37	37
25°	196184	22043	304	0	0
30°	215690	16864	119	0	0
35°	207848	10722	42	0	0
40°	155306	4654	0	0	45
45°	57504	1242	49	49	146
50°	6779	161	107	107	214
55°	661	0	120	180	300
60°	69	0	207	276	344
65°	82	82	326	408	489
70°	101	101	403	403	604
75°	133	133	399	399	532
80°	0	198	595	397	595
85°	0	395	1186	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 57504 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.6
10°-20°	25.3	11.7
20°-30°	79.4	36.6
30°-40°	83.6	38.5
40°-50°	24.6	11.3
50°-60°	1.3	0.6
60°-70°	0.6	0.3
70°-80°	0.5	0.3
80°-90°	0.3	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°	106.1	48.9
0°-40°	189.6	87.4
0°-60°	215.5	99.3
0°-90°	217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	217.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	23	17	9	4	3	4
15°	469	76	5	1	1	148
25°	1032	116	2	0	0	474
35°	989	51	0	0	0	597
45°	236	5	0	0	1	215
55°	2	0	0	1	1	6
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
2.5°	14.4	14.6	14.0	14.4	14.0	13.8	13.6	12.6	10.9	9.3	7.7
5°	23.3	23.3	22.3	22.1	21.7	20.9	20.0	17.2	12.4	8.7	6.1
7.5°	36.4	36.2	35.8	34.8	32.8	30.8	28.7	22.5	13.6	8.1	4.7
10°	100.6	99.2	97.4	86.5	74.1	63.2	53.7	29.0	14.6	7.1	3.4
12.5°	250.0	241.9	222.7	200.8	172.9	143.5	114.8	47.2	15.0	5.9	2.4
15°	469.3	452.5	422.5	378.8	321.7	257.5	202.9	76.5	14.6	4.9	1.8
17.5°	708.6	692.4	650.9	584.5	500.5	401.9	305.1	101.4	13.6	4.0	1.2
20°	878.9	861.7	822.8	752.4	661.4	530.1	401.7	119.3	12.8	3.0	0.6
21°	928.7	911.5	870.4	802.4	706.8	575.0	432.7	122.3	12.1	2.6	0.4
22°	960.3	950.2	906.0	840.0	742.6	611.0	459.2	123.7	11.7	2.4	0.4
23°	992.1	976.9	935.6	865.9	770.0	637.8	478.8	122.7	11.3	2.0	0.2
24°	1015.6	1002.8	954.8	886.0	789.0	654.2	490.4	120.1	10.7	1.8	0.2
25°	1032.4	1020.6	970.6	899.5	801.8	663.1	494.0	116.0	10.1	1.6	0.2
26°	1048.4	1035.6	983.8	907.4	808.4	665.9	490.6	111.6	9.5	1.4	0.0
27°	1059.9	1046.9	992.9	912.1	808.8	662.5	481.3	105.5	8.9	1.2	0.0
28°	1072.2	1057.3	999.2	914.7	806.4	654.4	467.9	99.0	8.5	1.0	0.0
29°	1079.7	1065.6	1005.6	917.6	801.4	640.8	448.5	91.3	7.5	0.6	0.0
30°	1084.6	1067.8	1005.0	914.5	794.7	626.2	425.2	84.8	6.5	0.6	0.0
31°	1080.5	1062.9	998.6	906.0	783.9	607.2	401.3	76.7	5.3	0.4	0.0
32°	1071.8	1051.0	987.2	891.2	764.7	582.7	376.6	70.1	3.8	0.4	0.0
33°	1050.6	1033.0	966.8	871.4	739.6	549.5	344.4	63.6	2.6	0.2	0.0
34°	1023.9	1006.2	938.8	844.9	706.0	506.6	305.3	56.9	2.2	0.2	0.0
35°	988.6	971.2	907.2	807.8	661.4	454.9	265.0	51.0	1.8	0.2	0.0
36°	951.6	928.5	867.4	768.3	601.7	396.2	221.9	44.3	1.4	0.2	0.0
37°	897.1	881.5	813.7	708.2	537.1	339.9	190.5	38.3	1.0	0.2	0.0
38°	840.6	826.3	760.0	647.7	465.1	284.3	159.5	32.4	0.8	0.0	0.0
39°	782.3	758.4	693.0	570.1	389.5	238.1	134.2	27.1	0.4	0.0	0.0
40°	690.8	672.6	602.7	477.0	322.3	192.9	114.4	20.7	0.4	0.0	0.0
42.5°	458.0	441.0	367.7	258.7	171.3	112.8	75.5	8.1	0.0	0.2	0.0
45°	236.1	225.3	183.0	135.4	97.2	69.2	48.6	5.1	0.0	0.2	0.2
47.5°	93.7	91.9	83.0	71.7	55.3	41.1	26.5	2.2	0.0	0.2	0.2
50°	25.3	25.5	23.9	22.1	20.0	18.8	11.1	0.6	0.0	0.4	0.2
52.5°	10.7	10.9	10.5	9.9	8.9	6.7	4.5	0.2	0.2	0.4	0.4
55°	2.2	2.4	2.6	2.8	3.2	2.8	1.8	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.0	0.2	0.4	0.6
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.6	0.6
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.8
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.8	0.8
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.6	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	9.3	9.3	9.3
2.5°	6.5	5.9	5.7
5°	4.5	3.8	3.4
7.5°	3.0	2.4	2.2
10°	2.0	1.6	1.4
12.5°	1.4	0.8	0.8
15°	0.8	0.6	0.6
17.5°	0.4	0.2	0.2
20°	0.2	0.2	0.2
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	*0.0*	*0.0*	*0.0*
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.4
45°	0.2	0.4	0.6
47.5°	0.4	0.6	0.8
50°	0.4	0.8	0.8
52.5°	0.6	0.8	1.0
55°	0.6	1.0	1.0
57.5°	0.8	1.0	1.2
60°	0.8	1.0	1.0
62.5°	0.8	1.2	1.2
65°	1.0	1.2	1.2
67.5°	1.0	1.2	1.2
70°	0.8	1.0	1.2
72.5°	0.8	1.0	1.0
75°	0.6	0.8	0.8
77.5°	0.6	0.6	0.8
80°	0.4	0.6	0.6

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)