

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: METALUX

Report Number: P1500522

Luminaire Tested: 2CSSV-S3C59-MB-MED-2700K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2605-767-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2CSSV-S3C59-MB-MED-2700K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 1600 Lumen 2700K

Light Source:
Ballast/Driver: -

Summary

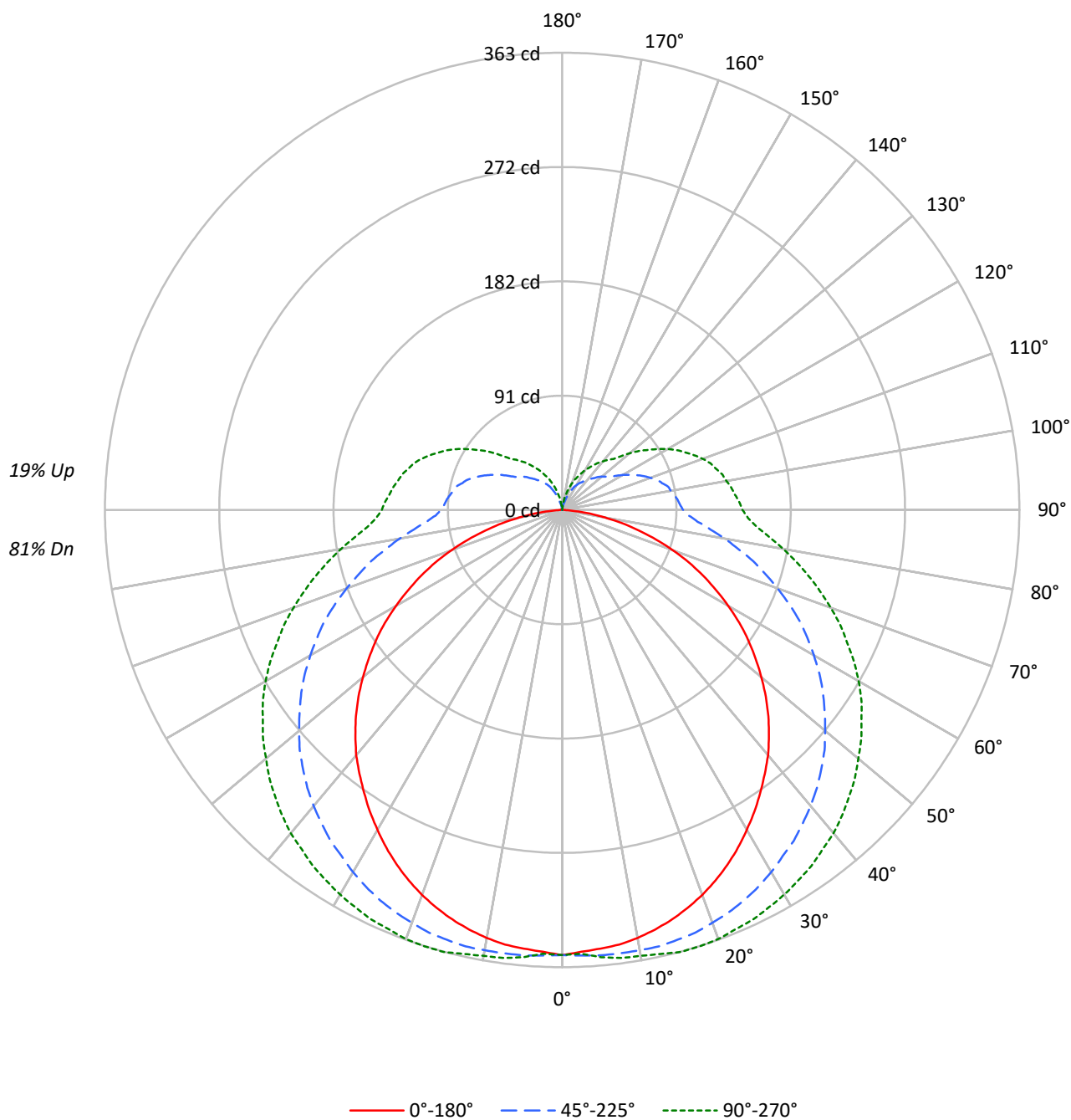
Lumens per Lamp: N/A
Luminaire Lumens: 1705.4 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.49 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 1.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 18.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: >0.9
Total Harmonic Distortion (THDi): <20
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1500522

CATALOG NUMBER: 2CSSV-S3C59-MB-MED-2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1500522

CATALOG NUMBER: 2CSSV-S3C59-MB-MED-2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	85	85	85	81		
1	102	96	91	86	97	92	87	83	84	80	77	77	74	71	71	68	66	63		
2	92	82	75	68	87	79	72	66	72	66	61	66	61	57	60	57	53	50		
3	83	71	62	55	79	68	60	54	63	56	50	57	52	47	52	48	44	41		
4	75	63	53	46	72	60	51	45	55	48	42	50	44	40	46	41	37	34		
5	69	55	46	39	66	53	44	38	49	42	36	45	39	34	41	36	32	29		
6	63	50	40	34	60	48	39	33	44	37	31	40	34	29	37	32	28	25		
7	59	45	36	29	56	43	35	29	40	32	27	37	30	26	34	28	24	22		
8	54	41	32	26	52	39	31	25	36	29	24	34	27	23	31	26	22	19		
9	51	37	29	23	48	36	28	22	33	26	21	31	25	20	29	23	19	17		
10	47	34	26	21	45	33	25	20	31	24	19	28	23	18	26	21	17	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15236	15236	15236
5°	15041	14411	14187
10°	14929	13715	13379
15°	14760	13119	12789
20°	14565	12557	12197
25°	14331	12032	11640
30°	14051	11514	11131
35°	13777	11041	10683
40°	13546	10577	10257
45°	13223	10109	9822
50°	12813	9627	9394
55°	12374	9146	8983
60°	11757	8622	8584
65°	10995	8100	8106
70°	9961	7464	7634
75°	8406	6848	7134
80°	6155	6160	6634
85°	2985	5555	6182

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13223 cd/sqm

TEST NUMBER: P1500522

CATALOG NUMBER: 2CSSV-S3C59-MB-MED-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.8	2.0
10°-20°	99.6	5.8
20°-30°	156.4	9.2
30°-40°	197.9	11.6
40°-50°	220.0	12.9
50°-60°	219.5	12.9
60°-70°	196.9	11.5
70°-80°	155.1	9.1
80°-90°	109.1	6.4
90°-100°	89.7	5.3
100°-110°	77.4	4.5
110°-120°	59.3	3.5
120°-130°	40.0	2.3
130°-140°	25.4	1.5
140°-150°	15.5	0.9
150°-160°	7.6	0.4
160°-170°	2.1	0.1
170°-180°	0.2	0.0
0°-30°	289.8	17.0
0°-40°	487.6	28.6
0°-60°	927.2	54.4
0°-90°	1388.3	81.4
90°-120°	226.3	13.3
90°-150°	307.2	18.0
90°-180°	317.0	18.6
0°-180°	1705.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	353	353	353	353	353	
5°	350	355	355	356	356	33
15°	337	346	353	360	363	95
25°	311	326	342	353	359	143
35°	274	296	321	337	345	172
45°	232	258	291	314	322	178
55°	180	213	253	280	290	161
65°	123	163	208	239	250	122
75°	63	107	157	190	203	67
85°	11	58	108	143	155	14
90°	0	45	96	130	143	0
95°	0	43	92	126	138	0
105°	0	33	82	115	126	0
115°	0	22	66	98	108	0
125°	0	16	46	73	83	0
135°	0	13	36	52	57	0
145°	0	11	27	39	43	0
155°	1	6	18	26	29	0
165°	1	2	6	11	14	0
175°	1	1	1	2	1	0
180°	0	0	0	0	0	0

TEST NUMBER: P1500522

CATALOG NUMBER: 2CSSV-S3C59-MB-MED-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	353.3	353.3	353.3	353.3	353.3
2.5°	351.1	355.6	354.1	353.3	352.6
5°	349.5	354.9	354.9	355.6	356.4
7.5°	348.0	353.3	354.9	356.4	358.7
10°	345.0	351.8	354.9	357.9	359.4
12.5°	341.2	349.5	354.9	358.7	361.0
15°	336.6	345.7	353.3	360.2	363.2
17.5°	331.3	341.9	351.8	360.2	363.2
20°	325.2	337.3	348.8	357.9	362.5
22.5°	318.3	332.0	345.7	355.6	360.2
25°	310.7	325.9	341.9	353.3	358.7
27.5°	302.3	319.1	337.3	350.3	355.6
30°	293.2	311.5	332.0	346.5	352.6
32.5°	284.0	303.8	325.9	341.9	348.8
35°	274.1	296.2	320.6	337.3	345.0
37.5°	264.2	287.9	313.7	332.8	339.6
40°	254.3	278.0	306.9	326.7	335.1
42.5°	242.9	268.8	299.3	320.6	329.0
45°	231.5	258.2	290.9	313.7	322.1
47.5°	219.3	248.3	282.5	306.1	315.3
50°	206.4	236.8	272.6	297.8	306.9
52.5°	193.4	225.4	262.7	289.4	299.3
55°	180.5	213.2	252.8	280.2	290.1
57.5°	166.8	201.8	242.2	270.3	281.8
60°	152.3	188.9	230.7	260.4	271.9
62.5°	137.8	175.9	219.3	249.8	261.2
65°	123.4	163.0	207.9	239.1	249.8
67.5°	108.9	149.3	194.9	226.9	239.1
70°	93.7	135.5	182.0	215.5	226.9
72.5°	78.4	121.1	169.1	202.6	214.7
75°	63.2	107.4	156.9	190.4	202.6
77.5°	48.7	93.7	143.2	177.4	190.4
80°	34.3	80.7	131.0	165.2	178.2
82.5°	22.1	68.5	118.8	153.8	166.0
85°	10.7	57.9	108.1	143.2	155.3
87.5°	3.0	49.5	100.5	134.8	147.7
90°	0.0	44.9	96.0	130.2	143.2
92.5°	0.0	43.4	93.7	127.9	140.9
95°	0.0	42.6	92.1	125.6	137.8
97.5°	0.0	41.1	89.9	123.4	135.5
100°	0.0	38.8	87.6	121.1	132.5
102.5°	0.0	35.8	86.1	118.0	130.2
105°	0.0	32.7	82.2	115.0	126.4
107.5°	0.0	28.9	79.2	111.2	123.4
110°	0.0	25.1	74.6	107.4	118.8

TEST NUMBER: P1500522

CATALOG NUMBER: 2CSSV-S3C59-MB-MED-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.6	70.1	102.8	113.5
115°	0.0	22.1	65.5	97.5	108.1
117.5°	0.0	21.3	60.2	91.4	102.8
120°	0.0	19.0	55.6	85.3	96.7
122.5°	0.0	17.5	50.3	79.2	89.9
125°	0.0	16.0	45.7	73.1	83.0
127.5°	0.0	14.5	43.4	67.0	76.9
130°	0.0	14.5	41.1	60.9	70.1
132.5°	0.0	13.7	38.8	54.8	63.2
135°	0.0	12.9	35.8	51.8	57.1
137.5°	0.0	12.2	33.5	48.7	54.1
140°	0.0	12.2	31.2	45.7	50.3
142.5°	0.0	11.4	28.9	42.6	47.2
145°	0.0	10.7	26.7	38.8	43.4
147.5°	0.0	9.9	25.1	35.8	39.6
150°	0.0	8.4	22.8	32.7	36.6
152.5°	0.0	6.9	20.6	29.7	32.7
155°	0.8	6.1	17.5	25.9	28.9
157.5°	0.8	4.6	14.5	22.8	25.9
160°	0.8	3.8	11.4	19.0	22.1
162.5°	0.8	3.0	8.4	15.2	18.3
165°	0.8	2.3	6.1	10.7	14.5
167.5°	0.8	1.5	4.6	7.6	10.7
170°	0.8	1.5	3.0	4.6	7.6
172.5°	0.8	0.8	1.5	3.0	2.3
175°	0.8	0.8	0.8	1.5	0.8
177.5°	0.8	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1500522

CATALOG NUMBER: 2CSSV-S3C59-MB-MED-2700K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.5	17.9	17.1	18.5	19.3	20.4	21.8	21.1	22.4	23.2
	3H	17.9	19.1	18.5	19.8	20.6	23.2	24.4	23.8	25.1	25.8
	4H	18.3	19.5	19.0	20.1	20.9	24.5	25.7	25.2	26.4	27.1
	6H	18.5	19.6	19.2	20.3	21.1	25.9	27.0	26.5	27.7	28.4
	8H	18.5	19.6	19.2	20.3	21.1	26.6	27.6	27.2	28.3	29.1
	12H	18.5	19.6	19.2	20.2	21.1	27.3	28.3	28.0	29.0	29.8
4H	2H	17.8	19.0	18.4	19.6	20.4	20.8	21.9	21.4	22.6	23.4
	3H	19.4	20.4	20.1	21.1	21.9	23.7	24.7	24.3	25.4	26.2
	4H	19.9	20.9	20.6	21.6	22.4	25.2	26.1	25.8	26.8	27.6
	6H	20.3	21.1	21.0	21.8	22.7	26.7	27.5	27.4	28.3	29.1
	8H	20.4	21.1	21.1	21.9	22.7	27.5	28.3	28.2	29.0	29.8
	12H	20.4	21.1	21.1	21.8	22.7	28.4	29.1	29.1	29.8	30.7
8H	4H	20.9	21.7	21.6	22.4	23.2	25.3	26.1	26.0	26.8	27.7
	6H	21.4	22.1	22.2	22.9	23.7	27.0	27.6	27.7	28.4	29.3
	8H	21.6	22.2	22.4	23.0	23.8	27.9	28.5	28.6	29.3	30.1
	12H	21.7	22.3	22.5	23.0	23.9	28.9	29.5	29.7	30.2	31.1
12H	4H	21.1	21.9	21.9	22.6	23.5	25.3	26.0	26.0	26.8	27.6
	6H	21.8	22.4	22.6	23.2	24.1	27.0	27.6	27.8	28.3	29.3
	8H	22.1	22.6	22.9	23.4	24.3	28.0	28.5	28.7	29.3	30.2

(END OF REPORT)