

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: P1500525

Luminaire Tested: 2CSSV-S3C59-MB-MED-4000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500525
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-4000K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 1600 Lumen 4000K

Light Source:
Ballast/Driver: -

Summary

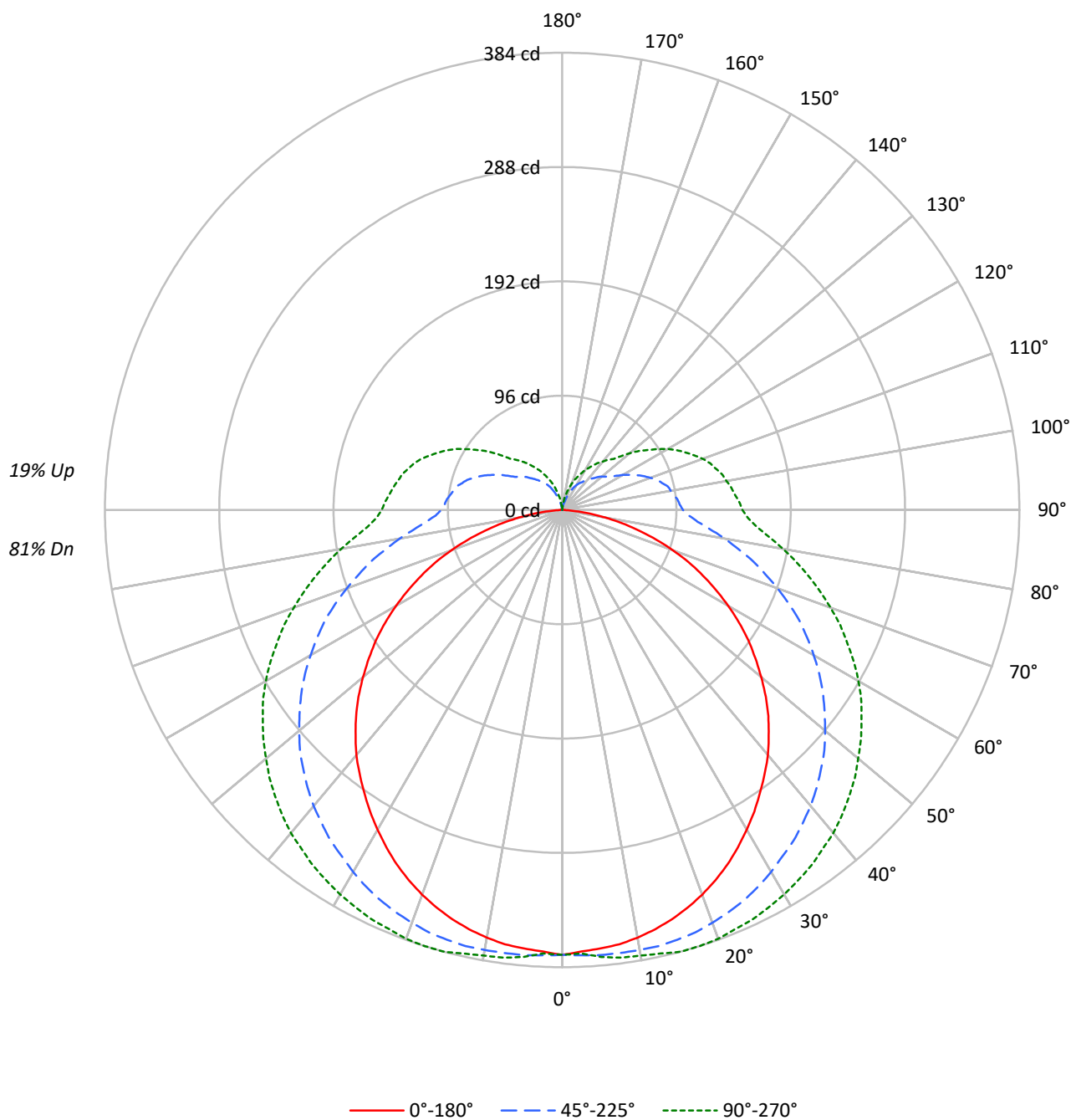
Lumens per Lamp: N/A
Luminaire Lumens: 1803.1 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.49 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 1.92' x H: 0.13')
CIE Type: Semi-Direct

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: P1500525

CATALOG NUMBER: 2CSSV-S3C59-MB-MED-4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1500525

CATALOG NUMBER: 2CSSV-S3C59-MB-MED-4000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16111	16111	16111
5°	15906	15236	14999
10°	15782	14500	14146
15°	15606	13873	13521
20°	15398	13277	12893
25°	15153	12722	12305
30°	14856	12173	11769
35°	14566	11675	11293
40°	14324	11183	10845
45°	13983	10689	10386
50°	13546	10178	9933
55°	13081	9670	9500
60°	12429	9120	9073
65°	11619	8564	8570
70°	10525	7891	8072
75°	8885	7241	7542
80°	6496	6512	7013
85°	3152	5873	6536

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13983 cd/sqm

TEST NUMBER: P1500525

CATALOG NUMBER: 2CSSV-S3C59-MB-MED-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	2.0
10°-20°	105.3	5.8
20°-30°	165.3	9.2
30°-40°	209.2	11.6
40°-50°	232.6	12.9
50°-60°	232.1	12.9
60°-70°	208.2	11.5
70°-80°	164.0	9.1
80°-90°	115.3	6.4
90°-100°	94.8	5.3
100°-110°	81.8	4.5
110°-120°	62.7	3.5
120°-130°	42.3	2.3
130°-140°	26.8	1.5
140°-150°	16.4	0.9
150°-160°	8.0	0.4
160°-170°	2.2	0.1
170°-180°	0.2	0.0
0°-30°	306.4	17.0
0°-40°	515.6	28.6
0°-60°	980.3	54.4
0°-90°	1467.9	81.4
90°-120°	239.3	13.3
90°-150°	324.9	18.0
90°-180°	335.0	18.6
0°-180°	1803.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	374	374	374	374	374	
5°	370	375	375	376	377	35
15°	356	366	374	381	384	100
25°	328	345	362	374	379	151
35°	290	313	339	357	365	182
45°	245	273	308	332	341	189
55°	191	225	267	296	307	170
65°	130	172	220	253	264	129
75°	67	114	166	201	214	71
85°	11	61	114	151	164	15
90°	0	48	101	138	151	0
95°	0	45	97	133	146	0
105°	0	35	87	122	134	0
115°	0	23	69	103	114	0
125°	0	17	48	77	88	0
135°	0	14	38	55	60	0
145°	0	11	28	41	46	0
155°	1	6	18	27	31	0
165°	1	2	6	11	15	0
175°	1	1	1	2	1	0
180°	0	0	0	0	0	0

TEST NUMBER: P1500525

CATALOG NUMBER: 2CSSV-S3C59-MB-MED-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	373.6	373.6	373.6	373.6	373.6
2.5°	371.2	376.0	374.4	373.6	372.8
5°	369.6	375.2	375.2	376.0	376.8
7.5°	367.9	373.6	375.2	376.8	379.2
10°	364.7	372.0	375.2	378.4	380.0
12.5°	360.7	369.6	375.2	379.2	381.6
15°	355.9	365.5	373.6	380.8	384.0
17.5°	350.2	361.5	372.0	380.8	384.0
20°	343.8	356.7	368.8	378.4	383.2
22.5°	336.5	351.0	365.5	376.0	380.8
25°	328.5	344.6	361.5	373.6	379.2
27.5°	319.6	337.4	356.7	370.4	376.0
30°	310.0	329.3	351.0	366.3	372.8
32.5°	300.3	321.2	344.6	361.5	368.8
35°	289.8	313.2	339.0	356.7	364.7
37.5°	279.4	304.3	331.7	351.8	359.1
40°	268.9	293.9	324.5	345.4	354.3
42.5°	256.8	284.2	316.4	339.0	347.8
45°	244.8	272.9	307.6	331.7	340.6
47.5°	231.9	262.5	298.7	323.7	333.3
50°	218.2	250.4	288.2	314.8	324.5
52.5°	204.5	238.3	277.8	306.0	316.4
55°	190.8	225.4	267.3	296.3	306.8
57.5°	176.3	213.4	256.0	285.8	297.9
60°	161.0	199.7	244.0	275.4	287.4
62.5°	145.7	186.0	231.9	264.1	276.2
65°	130.4	172.3	219.8	252.8	264.1
67.5°	115.1	157.8	206.1	239.9	252.8
70°	99.0	143.3	192.4	227.9	239.9
72.5°	82.9	128.0	178.7	214.2	227.0
75°	66.8	113.5	165.9	201.3	214.2
77.5°	51.5	99.0	151.4	187.6	201.3
80°	36.2	85.3	138.5	174.7	188.4
82.5°	23.3	72.5	125.6	162.6	175.5
85°	11.3	61.2	114.3	151.4	164.2
87.5°	3.2	52.3	106.3	142.5	156.2
90°	0.0	47.5	101.4	137.7	151.4
92.5°	0.0	45.9	99.0	135.3	149.0
95°	0.0	45.1	97.4	132.8	145.7
97.5°	0.0	43.5	95.0	130.4	143.3
100°	0.0	41.1	92.6	128.0	140.1
102.5°	0.0	37.8	91.0	124.8	137.7
105°	0.0	34.6	87.0	121.6	133.7
107.5°	0.0	30.6	83.7	117.5	130.4
110°	0.0	26.6	78.9	113.5	125.6

TEST NUMBER: P1500525

CATALOG NUMBER: 2CSSV-S3C59-MB-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.0	74.1	108.7	120.0
115°	0.0	23.3	69.2	103.1	114.3
117.5°	0.0	22.5	63.6	96.6	108.7
120°	0.0	20.1	58.8	90.2	102.3
122.5°	0.0	18.5	53.1	83.7	95.0
125°	0.0	16.9	48.3	77.3	87.8
127.5°	0.0	15.3	45.9	70.9	81.3
130°	0.0	15.3	43.5	64.4	74.1
132.5°	0.0	14.5	41.1	58.0	66.8
135°	0.0	13.7	37.8	54.7	60.4
137.5°	0.0	12.9	35.4	51.5	57.2
140°	0.0	12.9	33.0	48.3	53.1
142.5°	0.0	12.1	30.6	45.1	49.9
145°	0.0	11.3	28.2	41.1	45.9
147.5°	0.0	10.5	26.6	37.8	41.9
150°	0.0	8.9	24.2	34.6	38.6
152.5°	0.0	7.2	21.7	31.4	34.6
155°	0.8	6.4	18.5	27.4	30.6
157.5°	0.8	4.8	15.3	24.2	27.4
160°	0.8	4.0	12.1	20.1	23.3
162.5°	0.8	3.2	8.9	16.1	19.3
165°	0.8	2.4	6.4	11.3	15.3
167.5°	0.8	1.6	4.8	8.1	11.3
170°	0.8	1.6	3.2	4.8	8.1
172.5°	0.8	0.8	1.6	3.2	2.4
175°	0.8	0.8	0.8	1.6	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: P1500525

CATALOG NUMBER: 2CSSV-S3C59-MB-MED-4000K

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	16.7	18.1	17.3	18.7	19.5	20.6	22.0	21.3	22.6	23.4
	3H	18.1	19.3	18.7	20.0	20.7	23.4	24.6	24.0	25.3	26.0
	4H	18.5	19.7	19.1	20.3	21.1	24.7	25.9	25.3	26.5	27.3
	6H	18.7	19.8	19.4	20.5	21.3	26.1	27.2	26.7	27.8	28.6
	8H	18.7	19.8	19.4	20.5	21.3	26.8	27.8	27.4	28.5	29.3
	12H	18.7	19.7	19.4	20.4	21.3	27.5	28.5	28.2	29.2	30.0
4H	2H	18.0	19.1	18.6	19.8	20.6	20.9	22.1	21.6	22.8	23.6
	3H	19.6	20.6	20.3	21.3	22.1	23.9	24.9	24.5	25.6	26.4
	4H	20.1	21.1	20.8	21.8	22.6	25.4	26.3	26.0	27.0	27.8
	6H	20.5	21.3	21.2	22.0	22.9	26.9	27.7	27.6	28.4	29.3
	8H	20.6	21.3	21.3	22.1	22.9	27.7	28.5	28.4	29.2	30.0
	12H	20.6	21.3	21.3	22.0	22.9	28.6	29.3	29.3	30.0	30.9
8H	4H	21.1	21.9	21.8	22.6	23.4	25.5	26.3	26.2	27.0	27.8
	6H	21.6	22.3	22.4	23.1	23.9	27.2	27.8	27.9	28.6	29.5
	8H	21.8	22.4	22.6	23.2	24.0	28.1	28.7	28.8	29.5	30.3
	12H	21.9	22.4	22.7	23.2	24.1	29.1	29.6	29.9	30.4	31.3
12H	4H	21.3	22.1	22.1	22.8	23.7	25.5	26.2	26.2	26.9	27.8
	6H	22.0	22.6	22.8	23.4	24.3	27.2	27.8	28.0	28.5	29.4
	8H	22.3	22.8	23.1	23.6	24.5	28.2	28.7	28.9	29.5	30.4

(END OF REPORT)