

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: P1500534

Luminaire Tested: 3CSSV-S3C59-MB-LO-3500K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2605-767-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 3CSSV-S3C59-MB-LO-3500K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 1800 Lumen 3500K

Light Source:
Ballast/Driver: -

Summary

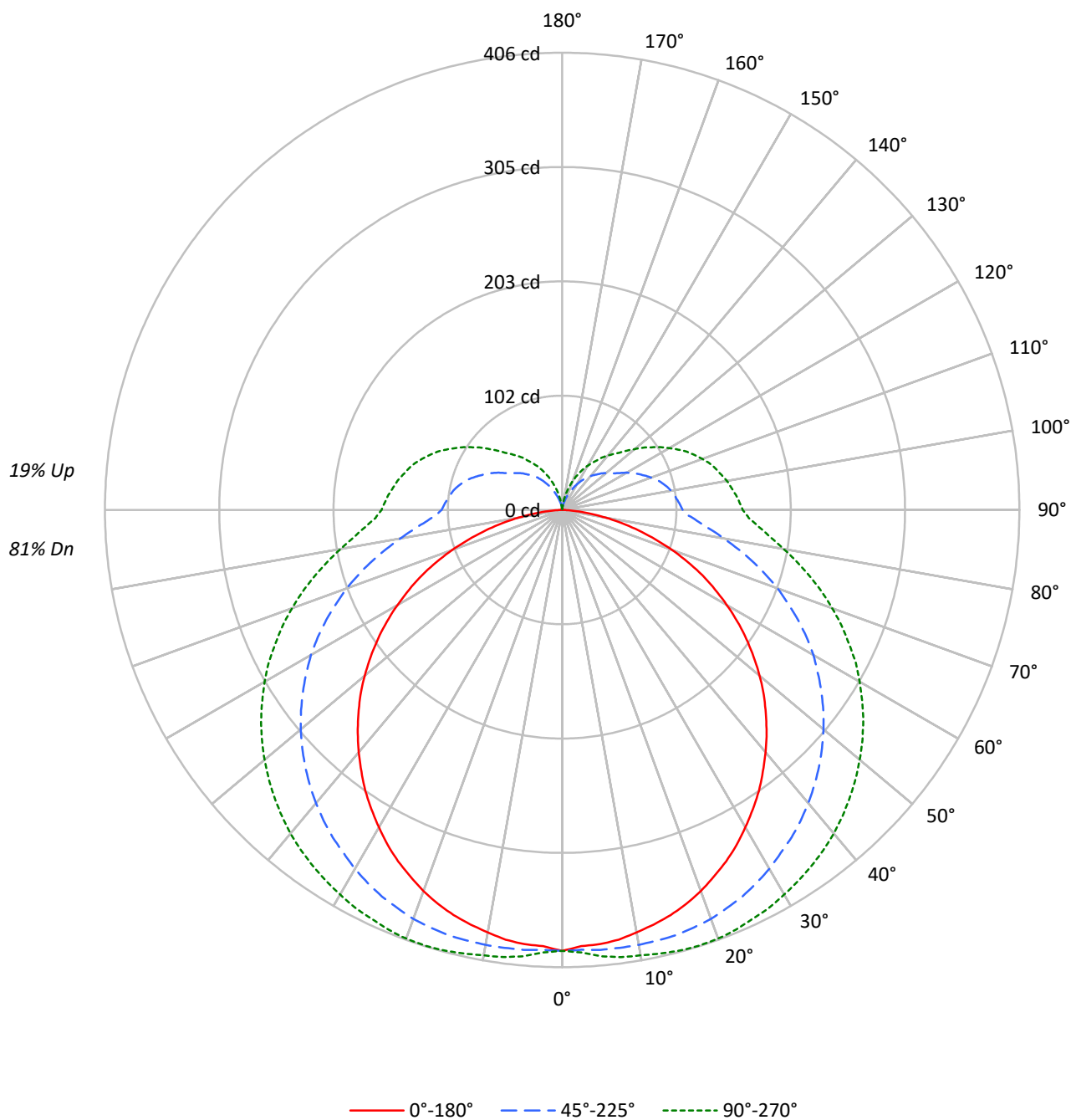
Lumens per Lamp: N/A
Luminaire Lumens: 1914.1 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 18.4
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: P1500534

CATALOG NUMBER: 3CSSV-S3C59-MB-LO-3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1500534

CATALOG NUMBER: 3CSSV-S3C59-MB-LO-3500K

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	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	81
1	102	96	91	86	97	92	87	83	84	80	77	77	74	71	70	68	66	62
2	91	82	74	68	87	79	72	66	72	66	61	66	61	57	60	56	53	50
3	83	71	62	55	78	68	60	53	62	56	50	57	51	47	52	47	44	40
4	75	62	53	46	71	60	51	45	55	48	42	50	44	39	46	41	37	34
5	69	55	46	39	65	53	44	38	49	41	36	45	38	34	41	36	31	29
6	63	50	40	34	60	48	39	33	44	36	31	40	34	29	37	32	27	25
7	59	45	36	29	56	43	34	28	40	32	27	36	30	25	34	28	24	22
8	54	41	32	26	52	39	31	25	36	29	24	33	27	23	31	25	21	19
9	51	37	29	23	48	36	28	22	33	26	21	31	25	20	28	23	19	17
10	47	34	26	21	45	33	25	20	30	24	19	28	22	18	26	21	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11101	11101	11101
5°	10973	10483	10410
10°	10879	9989	9830
15°	10803	9580	9377
20°	10693	9192	8960
25°	10556	8811	8546
30°	10384	8445	8185
35°	10225	8100	7857
40°	10027	7768	7552
45°	9821	7439	7242
50°	9585	7107	6944
55°	9282	6761	6646
60°	8888	6407	6333
65°	8416	6001	5996
70°	7668	5572	5646
75°	6586	5086	5272
80°	5124	4588	4888
85°	2782	4193	4596

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9821 cd/sqm

TEST NUMBER: P1500534

CATALOG NUMBER: 3CSSV-S3C59-MB-LO-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	2.0
10°-20°	110.5	5.8
20°-30°	173.8	9.1
30°-40°	220.1	11.5
40°-50°	244.8	12.8
50°-60°	244.8	12.8
60°-70°	219.8	11.5
70°-80°	173.6	9.1
80°-90°	122.5	6.4
90°-100°	100.5	5.3
100°-110°	86.9	4.5
110°-120°	68.2	3.6
120°-130°	48.3	2.5
130°-140°	31.8	1.7
140°-150°	19.2	1.0
150°-160°	9.1	0.5
160°-170°	2.6	0.1
170°-180°	0.2	0.0
0°-30°	321.8	16.8
0°-40°	541.9	28.3
0°-60°	1031.4	53.9
0°-90°	1547.3	80.8
90°-120°	255.6	13.4
90°-150°	354.9	18.5
90°-180°	367.0	19.2
0°-180°	1914.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	392	392	392	392	392	
5°	387	395	392	393	398	37
15°	372	385	391	399	405	105
25°	344	364	379	392	400	159
35°	305	330	355	375	386	190
45°	256	288	322	349	361	197
55°	200	238	281	312	326	178
65°	137	181	231	267	281	135
75°	70	120	174	213	228	75
85°	13	64	122	162	176	16
90°	1	50	107	146	160	1
95°	0	48	103	141	155	0
105°	1	38	92	128	141	0
115°	1	29	75	109	122	1
125°	1	22	57	86	97	1
135°	1	18	45	64	72	0
145°	1	13	33	48	54	0
155°	1	7	20	31	36	0
165°	1	3	8	13	18	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	

TEST NUMBER: P1500534

CATALOG NUMBER: 3CSSV-S3C59-MB-LO-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	391.5	391.5	391.5	391.5	391.5
2.5°	387.6	395.4	390.9	391.5	393.2
5°	387.0	395.4	392.1	392.6	397.7
7.5°	384.8	393.7	392.1	394.9	400.5
10°	380.8	392.1	392.1	396.6	401.6
12.5°	376.9	388.7	391.5	397.1	403.3
15°	372.4	385.3	390.9	398.8	405.0
17.5°	366.8	381.4	388.7	398.2	405.5
20°	360.1	375.8	386.5	396.6	405.0
22.5°	352.2	370.2	382.5	394.9	403.3
25°	344.4	363.5	378.6	392.1	400.5
27.5°	335.4	356.2	373.6	388.7	398.2
30°	325.3	347.8	367.9	384.8	394.3
32.5°	315.2	339.3	361.2	380.3	390.4
35°	304.6	329.8	355.0	375.2	385.9
37.5°	292.8	320.3	347.8	369.6	380.8
40°	281.0	310.2	339.9	363.5	375.2
42.5°	268.7	299.0	331.5	356.2	368.5
45°	255.8	288.3	322.5	348.9	361.2
47.5°	242.9	276.5	313.0	340.5	353.4
50°	228.8	264.2	302.9	331.5	345.0
52.5°	214.3	251.8	292.2	322.5	336.0
55°	199.7	238.4	281.0	312.4	326.4
57.5°	184.5	224.4	269.2	301.8	315.8
60°	168.8	210.3	257.5	290.5	305.1
62.5°	153.1	196.3	244.6	278.8	293.9
65°	137.4	181.2	231.1	267.0	281.0
67.5°	120.6	166.6	217.1	254.1	268.7
70°	103.8	150.9	203.6	240.6	255.2
72.5°	86.9	135.2	189.0	227.2	241.7
75°	70.1	120.0	174.4	213.1	227.7
77.5°	55.0	104.9	159.9	199.1	213.7
80°	39.3	90.3	145.8	185.7	199.7
82.5°	24.7	76.3	132.9	172.8	186.8
85°	12.9	64.5	121.7	161.5	175.6
87.5°	3.9	55.5	112.2	152.0	166.0
90°	0.6	50.5	107.1	146.4	160.4
92.5°	0.0	48.8	104.9	143.6	157.6
95°	0.0	47.7	102.6	141.3	154.8
97.5°	0.0	46.0	100.4	138.5	151.4
100°	0.0	43.7	98.2	135.2	148.6
102.5°	0.0	40.9	95.4	131.8	144.7
105°	0.6	38.1	92.0	128.4	141.3
107.5°	0.6	34.8	88.6	124.5	137.4
110°	0.6	32.0	84.1	119.5	132.4

TEST NUMBER: P1500534

CATALOG NUMBER: 3CSSV-S3C59-MB-LO-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	30.3	79.6	114.4	127.3
115°	0.6	29.2	75.2	109.4	122.3
117.5°	0.6	27.5	70.7	103.8	116.1
120°	0.6	25.8	66.2	97.6	109.9
122.5°	0.6	23.6	61.1	92.0	103.8
125°	0.6	22.4	56.7	85.8	97.0
127.5°	0.6	21.3	53.8	79.6	90.9
130°	0.6	20.2	51.0	73.5	84.1
132.5°	0.6	19.1	48.2	67.9	78.0
135°	0.6	17.9	44.9	63.9	71.8
137.5°	0.6	16.8	42.1	60.0	67.3
140°	0.6	15.7	39.3	56.1	62.8
142.5°	0.6	14.6	36.5	52.2	58.9
145°	0.6	12.9	33.1	48.2	53.8
147.5°	0.6	11.2	29.7	44.3	49.4
150°	0.6	10.1	26.4	40.4	45.4
152.5°	1.1	9.0	23.0	36.5	40.9
155°	1.1	7.3	19.6	31.4	36.5
157.5°	1.1	6.2	16.3	26.4	32.0
160°	1.1	5.0	13.5	21.3	26.9
162.5°	1.1	3.9	10.7	16.8	22.4
165°	1.1	3.4	7.9	12.9	17.9
167.5°	1.1	2.8	6.2	9.0	14.0
170°	1.1	2.2	4.5	6.2	9.5
172.5°	1.1	1.7	2.8	3.9	2.8
175°	1.1	1.1	1.7	1.7	1.1
177.5°	1.1	1.1	1.1	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6

TEST NUMBER: P1500534

CATALOG NUMBER: 3CSSV-S3C59-MB-LO-3500K

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	15.4	16.8	16.0	17.4	18.1	19.4	20.8	20.0	21.4	22.2
	3H	16.8	18.0	17.4	18.7	19.4	22.2	23.4	22.8	24.1	24.9
	4H	17.2	18.4	17.8	19.0	19.8	23.5	24.7	24.2	25.4	26.2
	6H	17.4	18.5	18.1	19.2	20.0	25.0	26.0	25.6	26.7	27.5
	8H	17.4	18.5	18.1	19.2	20.0	25.7	26.7	26.4	27.4	28.2
	12H	17.4	18.4	18.1	19.1	20.0	26.5	27.5	27.2	28.2	29.0
4H	2H	16.7	17.8	17.3	18.5	19.3	19.7	20.9	20.4	21.6	22.4
	3H	18.3	19.3	19.0	20.0	20.8	22.7	23.7	23.4	24.4	25.2
	4H	18.8	19.8	19.5	20.5	21.3	24.2	25.1	24.9	25.8	26.7
	6H	19.2	20.0	19.9	20.7	21.6	25.8	26.6	26.5	27.3	28.2
	8H	19.3	20.0	20.0	20.8	21.6	26.6	27.4	27.3	28.1	29.0
	12H	19.3	20.0	20.0	20.7	21.6	27.5	28.2	28.2	29.0	29.8
8H	4H	19.8	20.6	20.5	21.3	22.2	24.3	25.1	25.0	25.8	26.7
	6H	20.4	21.0	21.1	21.8	22.6	26.0	26.7	26.8	27.5	28.3
	8H	20.5	21.1	21.3	21.9	22.8	27.0	27.6	27.7	28.3	29.2
	12H	20.6	21.2	21.4	21.9	22.9	28.0	28.6	28.8	29.3	30.3
12H	4H	20.1	20.8	20.8	21.5	22.4	24.3	25.0	25.0	25.8	26.6
	6H	20.8	21.4	21.5	22.1	23.0	26.1	26.7	26.8	27.4	28.3
	8H	21.0	21.6	21.8	22.3	23.3	27.0	27.6	27.8	28.3	29.3

(END OF REPORT)