

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: P1500532

Luminaire Tested: 3CSSV-S3C59-MB-LO-2700K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500532
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-2700K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 1800 Lumen 2700K

Light Source:
Ballast/Driver: -

Summary

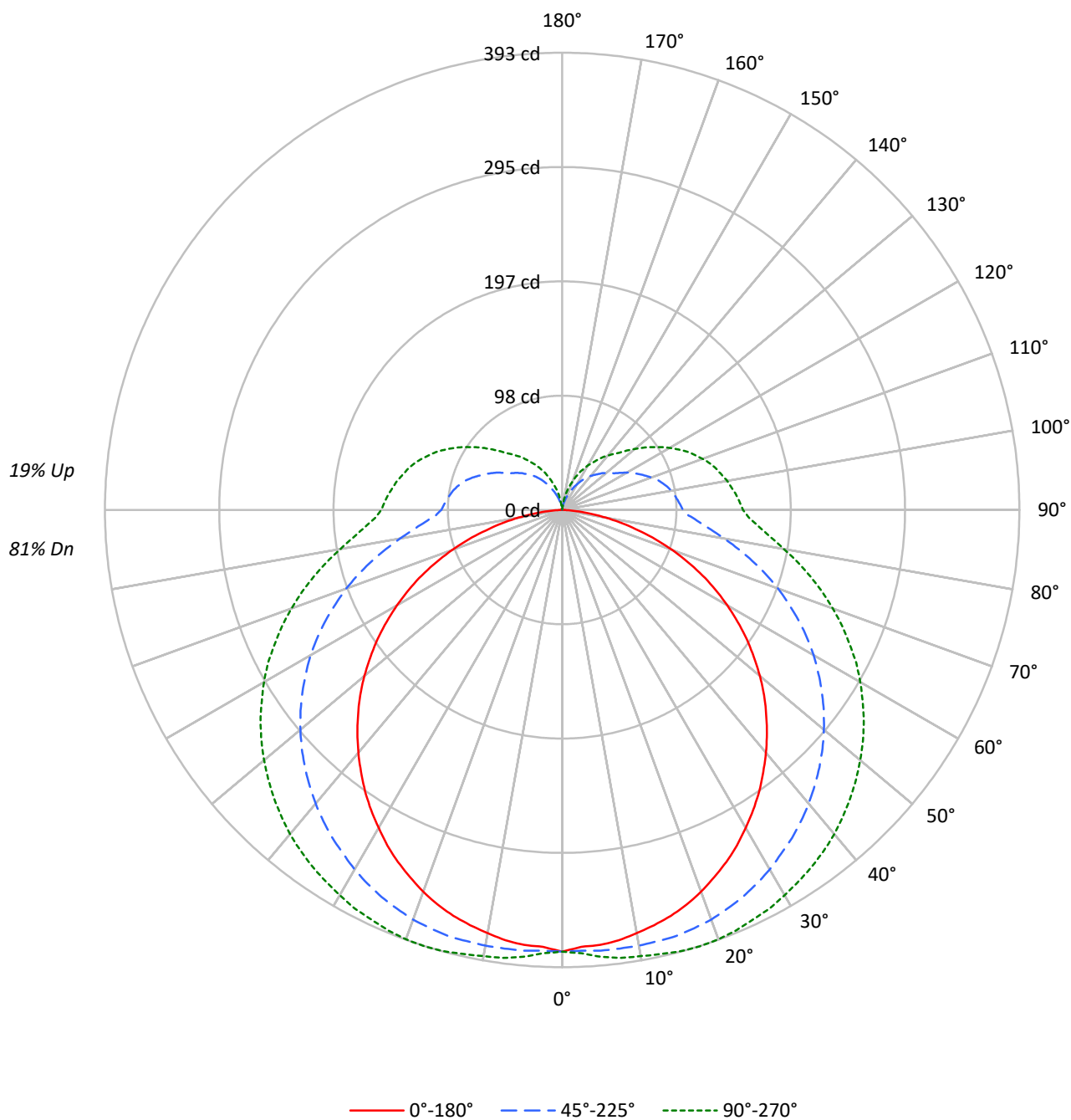
Lumens per Lamp: N/A
Luminaire Lumens: 1856.0 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	114	114	114	114	110	110	110	110	100	100	100		92	92	92		84
1	102	96	91	86	97	92	87	83	84	80	77		77	74	71		70
2	91	82	74	68	87	79	72	66	72	66	61		66	61	57		60
3	83	71	62	55	78	68	60	53	62	56	50		57	51	47		52
4	75	62	53	46	71	60	51	45	55	48	42		50	44	39		46
5	69	55	46	39	65	53	44	38	49	41	36		45	38	34		41
6	63	50	40	34	60	48	39	33	44	36	31		40	34	29		37
7	59	45	36	29	56	43	34	28	40	32	27		36	30	25		34
8	54	41	32	26	52	39	31	25	36	29	24		33	27	23		31
9	51	37	29	23	48	36	28	22	33	26	21		31	25	20		28
10	47	34	26	21	45	33	25	20	30	24	19		28	22	18		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10764	10764	10764
5°	10641	10165	10093
10°	10551	9686	9531
15°	10476	9290	9092
20°	10369	8911	8688
25°	10234	8543	8285
30°	10068	8190	7936
35°	9913	7856	7619
40°	9724	7532	7324
45°	9521	7213	7024
50°	9296	6891	6733
55°	8999	6556	6444
60°	8619	6210	6142
65°	8158	5819	5814
70°	7431	5403	5476
75°	6389	4932	5112
80°	4967	4450	4739
85°	2695	4066	4455

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9521 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	2.0
10°-20°	107.1	5.8
20°-30°	168.5	9.1
30°-40°	213.4	11.5
40°-50°	237.3	12.8
50°-60°	237.3	12.8
60°-70°	213.2	11.5
70°-80°	168.3	9.1
80°-90°	118.8	6.4
90°-100°	97.5	5.3
100°-110°	84.3	4.5
110°-120°	66.1	3.6
120°-130°	46.8	2.5
130°-140°	30.9	1.7
140°-150°	18.6	1.0
150°-160°	8.8	0.5
160°-170°	2.5	0.1
170°-180°	0.2	0.0
0°-30°	312.1	16.8
0°-40°	525.5	28.3
0°-60°	1000.1	53.9
0°-90°	1500.3	80.8
90°-120°	247.8	13.4
90°-150°	344.1	18.5
90°-180°	356.0	19.2
0°-180°	1856.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	380	380	380	380	380	
5°	375	383	380	381	386	36
15°	361	374	379	387	393	102
25°	334	352	367	380	388	154
35°	295	320	344	364	374	185
45°	248	280	313	338	350	191
55°	194	231	272	303	316	173
65°	133	176	224	259	272	131
75°	68	116	169	207	221	72
85°	12	62	118	157	170	16
90°	0	49	104	142	156	1
95°	0	46	100	137	150	0
105°	0	37	89	124	137	0
115°	0	28	73	106	119	0
125°	0	22	55	83	94	0
135°	0	17	44	62	70	0
145°	0	12	32	47	52	0
155°	1	7	19	30	35	0
165°	1	3	8	12	17	0
175°	1	1	2	2	1	0
180°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	379.6	379.6	379.6	379.6	379.6
2.5°	375.8	383.4	379.1	379.6	381.3
5°	375.3	383.4	380.2	380.7	385.6
7.5°	373.1	381.8	380.2	382.9	388.3
10°	369.3	380.2	380.2	384.5	389.4
12.5°	365.5	376.9	379.6	385.1	391.0
15°	361.1	373.6	379.1	386.7	392.7
17.5°	355.7	369.8	376.9	386.1	393.2
20°	349.2	364.4	374.7	384.5	392.7
22.5°	341.6	359.0	370.9	382.9	391.0
25°	333.9	352.4	367.1	380.2	388.3
27.5°	325.2	345.4	362.2	376.9	386.1
30°	315.4	337.2	356.8	373.1	382.3
32.5°	305.7	329.0	350.3	368.7	378.5
35°	295.3	319.8	344.3	363.9	374.2
37.5°	283.9	310.6	337.2	358.4	369.3
40°	272.5	300.8	329.6	352.4	363.9
42.5°	260.5	289.9	321.4	345.4	357.3
45°	248.0	279.6	312.7	338.3	350.3
47.5°	235.5	268.1	303.5	330.1	342.6
50°	221.9	256.2	293.7	321.4	334.5
52.5°	207.8	244.2	283.4	312.7	325.8
55°	193.6	231.1	272.5	302.9	316.5
57.5°	178.9	217.5	261.1	292.6	306.2
60°	163.7	204.0	249.6	281.7	295.9
62.5°	148.5	190.4	237.1	270.3	285.0
65°	133.2	175.7	224.1	258.9	272.5
67.5°	116.9	161.5	210.5	246.4	260.5
70°	100.6	146.3	197.4	233.3	247.5
72.5°	84.3	131.1	183.3	220.3	234.4
75°	68.0	116.4	169.1	206.7	220.8
77.5°	53.3	101.7	155.0	193.1	207.2
80°	38.1	87.6	141.4	180.0	193.6
82.5°	23.9	74.0	128.9	167.5	181.1
85°	12.5	62.5	118.0	156.6	170.2
87.5°	3.8	53.8	108.8	147.4	161.0
90°	0.5	48.9	103.9	142.0	155.5
92.5°	0.0	47.3	101.7	139.2	152.8
95°	0.0	46.2	99.5	137.1	150.1
97.5°	0.0	44.6	97.4	134.3	146.8
100°	0.0	42.4	95.2	131.1	144.1
102.5°	0.0	39.7	92.5	127.8	140.3
105°	0.5	37.0	89.2	124.5	137.1
107.5°	0.5	33.7	85.9	120.7	133.2
110°	0.5	31.0	81.6	115.8	128.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	29.4	77.2	110.9	123.5
115°	0.5	28.3	72.9	106.1	118.6
117.5°	0.5	26.6	68.5	100.6	112.6
120°	0.5	25.0	64.2	94.6	106.6
122.5°	0.5	22.8	59.3	89.2	100.6
125°	0.5	21.8	54.9	83.2	94.1
127.5°	0.5	20.7	52.2	77.2	88.1
130°	0.5	19.6	49.5	71.2	81.6
132.5°	0.5	18.5	46.8	65.8	75.6
135°	0.5	17.4	43.5	62.0	69.6
137.5°	0.5	16.3	40.8	58.2	65.3
140°	0.5	15.2	38.1	54.4	60.9
142.5°	0.5	14.1	35.4	50.6	57.1
145°	0.5	12.5	32.1	46.8	52.2
147.5°	0.5	10.9	28.8	43.0	47.9
150°	0.5	9.8	25.6	39.2	44.1
152.5°	1.1	8.7	22.3	35.4	39.7
155°	1.1	7.1	19.0	30.5	35.4
157.5°	1.1	6.0	15.8	25.6	31.0
160°	1.1	4.9	13.1	20.7	26.1
162.5°	1.1	3.8	10.3	16.3	21.8
165°	1.1	3.3	7.6	12.5	17.4
167.5°	1.1	2.7	6.0	8.7	13.6
170°	1.1	2.2	4.4	6.0	9.2
172.5°	1.1	1.6	2.7	3.8	2.7
175°	1.1	1.1	1.6	1.6	1.1
177.5°	1.1	1.1	1.1	0.5	0.5
180°	0.5	0.5	0.5	0.5	0.5

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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	15.3	16.6	15.9	17.3	18.0	19.3	20.7	19.9	21.3	22.1
	3H	16.7	17.9	17.3	18.6	19.3	22.1	23.3	22.7	24.0	24.8
	4H	17.1	18.2	17.7	18.9	19.7	23.4	24.6	24.1	25.3	26.1
	6H	17.3	18.4	18.0	19.1	19.9	24.8	25.9	25.5	26.6	27.4
	8H	17.3	18.4	18.0	19.1	19.9	25.6	26.6	26.3	27.3	28.1
	12H	17.3	18.3	18.0	19.0	19.9	26.4	27.4	27.1	28.1	28.9
4H	2H	16.5	17.7	17.2	18.4	19.2	19.6	20.8	20.3	21.5	22.2
	3H	18.2	19.2	18.8	19.9	20.7	22.6	23.6	23.2	24.3	25.1
	4H	18.7	19.7	19.4	20.4	21.2	24.1	25.0	24.8	25.7	26.6
	6H	19.1	19.9	19.8	20.6	21.5	25.7	26.5	26.4	27.2	28.1
	8H	19.2	19.9	19.9	20.7	21.5	26.5	27.3	27.2	28.0	28.8
	12H	19.2	19.9	19.9	20.6	21.5	27.4	28.1	28.1	28.8	29.7
8H	4H	19.7	20.5	20.4	21.2	22.1	24.2	25.0	24.9	25.7	26.6
	6H	20.2	20.9	21.0	21.7	22.5	25.9	26.6	26.7	27.4	28.2
	8H	20.4	21.0	21.2	21.8	22.7	26.9	27.5	27.6	28.2	29.1
	12H	20.5	21.1	21.3	21.8	22.8	27.9	28.5	28.7	29.2	30.2
12H	4H	20.0	20.7	20.7	21.4	22.3	24.2	24.9	24.9	25.7	26.5
	6H	20.7	21.3	21.4	22.0	22.9	26.0	26.5	26.7	27.3	28.2
	8H	20.9	21.5	21.7	22.2	23.2	26.9	27.5	27.7	28.2	29.2

(END OF REPORT)