

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: P1500513

Luminaire Tested: 2CSSV-S3C59-MB-HI-3000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500513
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-HI-3000K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 2000 Lumen 3000K

Light Source:
Ballast/Driver: -

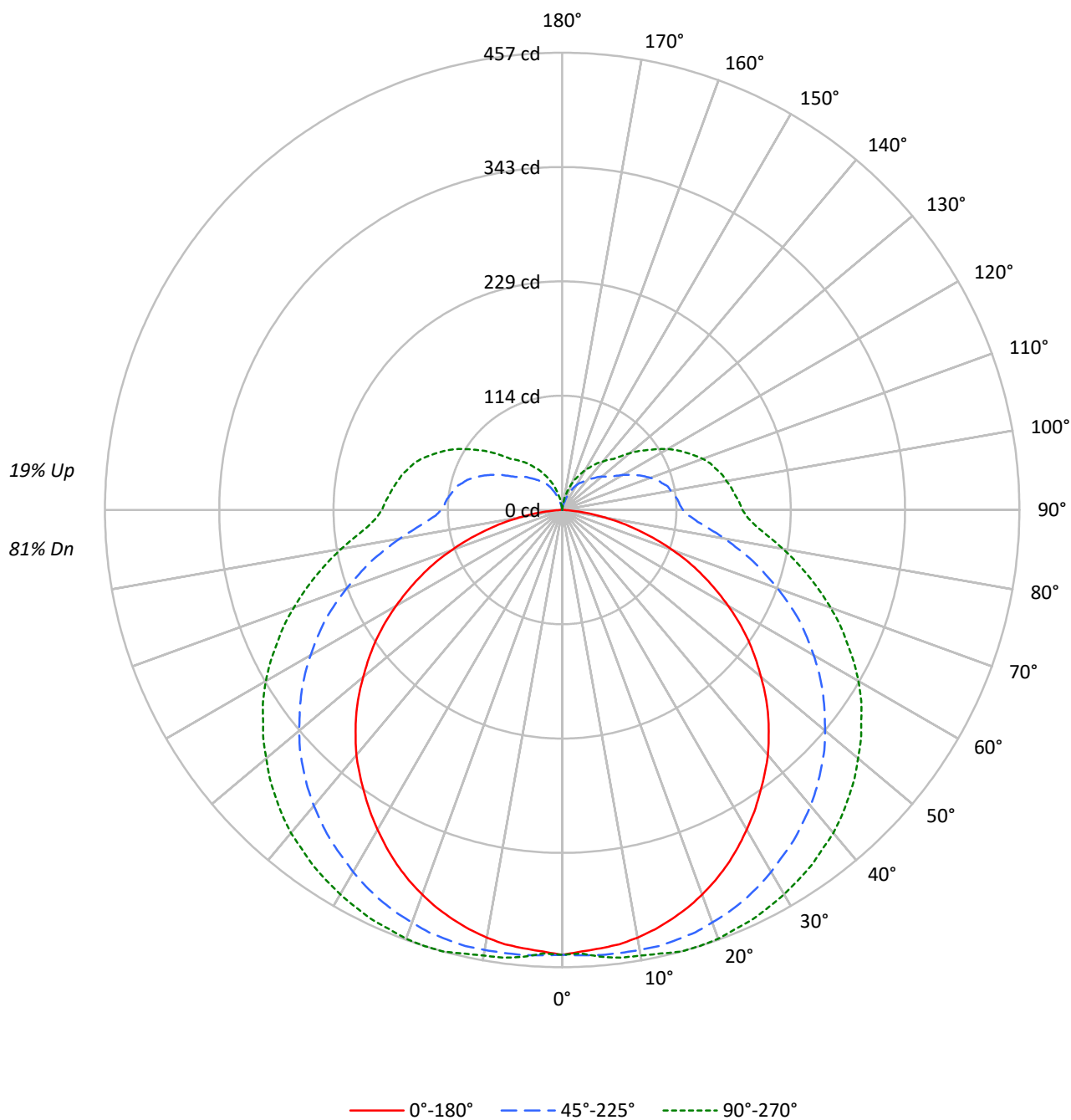
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2145.6 lumens
Efficiency: N/A
Efficacy: 87.9 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): 24.4
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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	115	115	115	115	110	110	110	110		101	101	101		93	93	93		85	85	85
1	102	96	91	86	97	92	87	83		84	80	77		77	74	71		71	68	66
2	92	82	75	68	87	79	72	66		72	66	61		66	61	57		60	57	53
3	83	71	62	55	79	68	60	54		63	56	50		57	52	47		52	48	44
4	75	63	53	46	72	60	51	45		55	48	42		50	44	40		46	41	37
5	69	55	46	39	66	53	44	38		49	42	36		45	39	34		41	36	32
6	63	50	40	34	60	48	39	33		44	37	31		40	34	29		37	32	28
7	59	45	36	29	56	43	35	29		40	32	27		37	30	26		34	28	24
8	54	41	32	26	52	39	31	25		36	29	24		34	27	23		31	26	22
9	51	37	29	23	48	36	28	22		33	26	21		31	25	20		29	23	19
10	47	34	26	21	45	33	25	20		31	24	19		28	23	18		26	21	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19169	19169	19169
5°	18927	18131	17849
10°	18781	17255	16834
15°	18571	16506	16091
20°	18323	15797	15343
25°	18031	15140	14645
30°	17679	14486	14004
35°	17336	13889	13438
40°	17046	13306	12905
45°	16639	12719	12359
50°	16116	12113	11819
55°	15569	11508	11302
60°	14791	10850	10797
65°	13829	10192	10196
70°	12523	9392	9606
75°	10574	8616	8972
80°	7734	7749	8346
85°	3738	6988	7778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16639 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	2.0
10°-20°	125.3	5.8
20°-30°	196.8	9.2
30°-40°	248.9	11.6
40°-50°	276.8	12.9
50°-60°	276.2	12.9
60°-70°	247.7	11.5
70°-80°	195.1	9.1
80°-90°	137.2	6.4
90°-100°	112.8	5.3
100°-110°	97.3	4.5
110°-120°	74.6	3.5
120°-130°	50.3	2.3
130°-140°	31.9	1.5
140°-150°	19.6	0.9
150°-160°	9.5	0.4
160°-170°	2.6	0.1
170°-180°	0.2	0.0
0°-30°	364.6	17.0
0°-40°	613.5	28.6
0°-60°	1166.6	54.4
0°-90°	1746.7	81.4
90°-120°	284.7	13.3
90°-150°	386.6	18.0
90°-180°	399.0	18.6
0°-180°	2145.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	440	446	446	447	448	42
15°	424	435	444	453	457	119
25°	391	410	430	444	451	180
35°	345	373	403	424	434	216
45°	291	325	366	395	405	224
55°	227	268	318	353	365	203
65°	155	205	262	301	314	153
75°	80	135	197	240	255	84
85°	13	73	136	180	195	18
90°	0	56	121	164	180	1
95°	0	54	116	158	173	0
105°	0	41	104	145	159	0
115°	0	28	82	123	136	0
125°	0	20	58	92	104	0
135°	0	16	45	65	72	0
145°	0	13	34	49	55	0
155°	1	8	22	33	36	0
165°	1	3	8	13	18	0
175°	1	1	1	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°	444.5	444.5	444.5	444.5	444.5
2.5°	441.7	447.4	445.5	444.5	443.6
5°	439.8	446.5	446.5	447.4	448.4
7.5°	437.8	444.5	446.5	448.4	451.3
10°	434.0	442.6	446.5	450.3	452.2
12.5°	429.2	439.8	446.5	451.3	454.1
15°	423.5	435.0	444.5	453.2	457.0
17.5°	416.8	430.2	442.6	453.2	457.0
20°	409.1	424.4	438.8	450.3	456.0
22.5°	400.5	417.7	435.0	447.4	453.2
25°	390.9	410.1	430.2	444.5	451.3
27.5°	380.4	401.4	424.4	440.7	447.4
30°	368.9	391.9	417.7	435.9	443.6
32.5°	357.4	382.3	410.1	430.2	438.8
35°	344.9	372.7	403.3	424.4	434.0
37.5°	332.5	362.2	394.7	418.7	427.3
40°	320.0	349.7	386.1	411.0	421.6
42.5°	305.6	338.2	376.5	403.3	413.9
45°	291.3	324.8	366.0	394.7	405.3
47.5°	275.9	312.3	355.4	385.1	396.6
50°	259.6	298.0	343.0	374.6	386.1
52.5°	243.4	283.6	330.5	364.1	376.5
55°	227.1	268.3	318.1	352.6	365.0
57.5°	209.8	253.9	304.7	340.1	354.5
60°	191.6	237.6	290.3	327.7	342.0
62.5°	173.4	221.3	275.9	314.2	328.6
65°	155.2	205.0	261.6	300.8	314.2
67.5°	137.0	187.8	245.3	285.5	300.8
70°	117.8	170.5	229.0	271.1	285.5
72.5°	98.7	152.3	212.7	254.8	270.2
75°	79.5	135.1	197.4	239.5	254.8
77.5°	61.3	117.8	180.1	223.2	239.5
80°	43.1	101.6	164.8	207.9	224.2
82.5°	27.8	86.2	149.5	193.5	208.9
85°	13.4	72.8	136.0	180.1	195.4
87.5°	3.8	62.3	126.5	169.6	185.9
90°	0.0	56.5	120.7	163.8	180.1
92.5°	0.0	54.6	117.8	161.0	177.2
95°	0.0	53.7	115.9	158.1	173.4
97.5°	0.0	51.7	113.1	155.2	170.5
100°	0.0	48.9	110.2	152.3	166.7
102.5°	0.0	45.0	108.3	148.5	163.8
105°	0.0	41.2	103.5	144.7	159.0
107.5°	0.0	36.4	99.6	139.9	155.2
110°	0.0	31.6	93.9	135.1	149.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.7	88.1	129.3	142.8
115°	0.0	27.8	82.4	122.6	136.0
117.5°	0.0	26.8	75.7	115.0	129.3
120°	0.0	24.0	69.9	107.3	121.7
122.5°	0.0	22.0	63.2	99.6	113.1
125°	0.0	20.1	57.5	92.0	104.4
127.5°	0.0	18.2	54.6	84.3	96.8
130°	0.0	18.2	51.7	76.6	88.1
132.5°	0.0	17.2	48.9	69.0	79.5
135°	0.0	16.3	45.0	65.1	71.9
137.5°	0.0	15.3	42.2	61.3	68.0
140°	0.0	15.3	39.3	57.5	63.2
142.5°	0.0	14.4	36.4	53.7	59.4
145°	0.0	13.4	33.5	48.9	54.6
147.5°	0.0	12.5	31.6	45.0	49.8
150°	0.0	10.5	28.7	41.2	46.0
152.5°	0.0	8.6	25.9	37.4	41.2
155°	1.0	7.7	22.0	32.6	36.4
157.5°	1.0	5.7	18.2	28.7	32.6
160°	1.0	4.8	14.4	24.0	27.8
162.5°	1.0	3.8	10.5	19.2	23.0
165°	1.0	2.9	7.7	13.4	18.2
167.5°	1.0	1.9	5.7	9.6	13.4
170°	1.0	1.9	3.8	5.7	9.6
172.5°	1.0	1.0	1.9	3.8	2.9
175°	1.0	1.0	1.0	1.9	1.0
177.5°	1.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

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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	17.3	18.7	17.9	19.3	20.1	21.2	22.6	21.9	23.2	24.0
	3H	18.7	19.9	19.3	20.6	21.4	24.0	25.2	24.6	25.9	26.6
	4H	19.1	20.3	19.7	20.9	21.7	25.3	26.5	26.0	27.1	27.9
	6H	19.3	20.4	20.0	21.1	21.9	26.7	27.8	27.3	28.4	29.2
	8H	19.3	20.4	20.0	21.1	21.9	27.4	28.4	28.0	29.1	29.9
	12H	19.3	20.3	20.0	21.0	21.9	28.1	29.1	28.8	29.8	30.6
4H	2H	18.6	19.7	19.2	20.4	21.2	21.6	22.7	22.2	23.4	24.2
	3H	20.2	21.2	20.9	21.9	22.7	24.5	25.5	25.1	26.2	27.0
	4H	20.7	21.7	21.4	22.4	23.2	26.0	26.9	26.6	27.6	28.4
	6H	21.1	21.9	21.8	22.6	23.5	27.5	28.3	28.2	29.1	29.9
	8H	21.2	21.9	21.9	22.7	23.5	28.3	29.1	29.0	29.8	30.6
	12H	21.2	21.9	21.9	22.6	23.5	29.2	29.9	29.9	30.6	31.5
8H	4H	21.7	22.5	22.4	23.2	24.0	26.1	26.9	26.8	27.6	28.5
	6H	22.2	22.9	23.0	23.7	24.5	27.8	28.4	28.5	29.2	30.1
	8H	22.4	23.0	23.2	23.8	24.6	28.7	29.3	29.4	30.1	30.9
	12H	22.5	23.1	23.3	23.8	24.7	29.7	30.3	30.5	31.0	31.9
12H	4H	21.9	22.7	22.7	23.4	24.3	26.1	26.8	26.8	27.5	28.4
	6H	22.6	23.2	23.4	24.0	24.9	27.8	28.4	28.6	29.1	30.1
	8H	22.9	23.4	23.7	24.2	25.1	28.8	29.3	29.5	30.1	31.0

(END OF REPORT)