

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: P1500500

Luminaire Tested: 2CSSV-S3C59-BN-HI-4000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500500
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-BN-HI-4000K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 2000 Lumen 4000K

Light Source:
Ballast/Driver: -

Summary

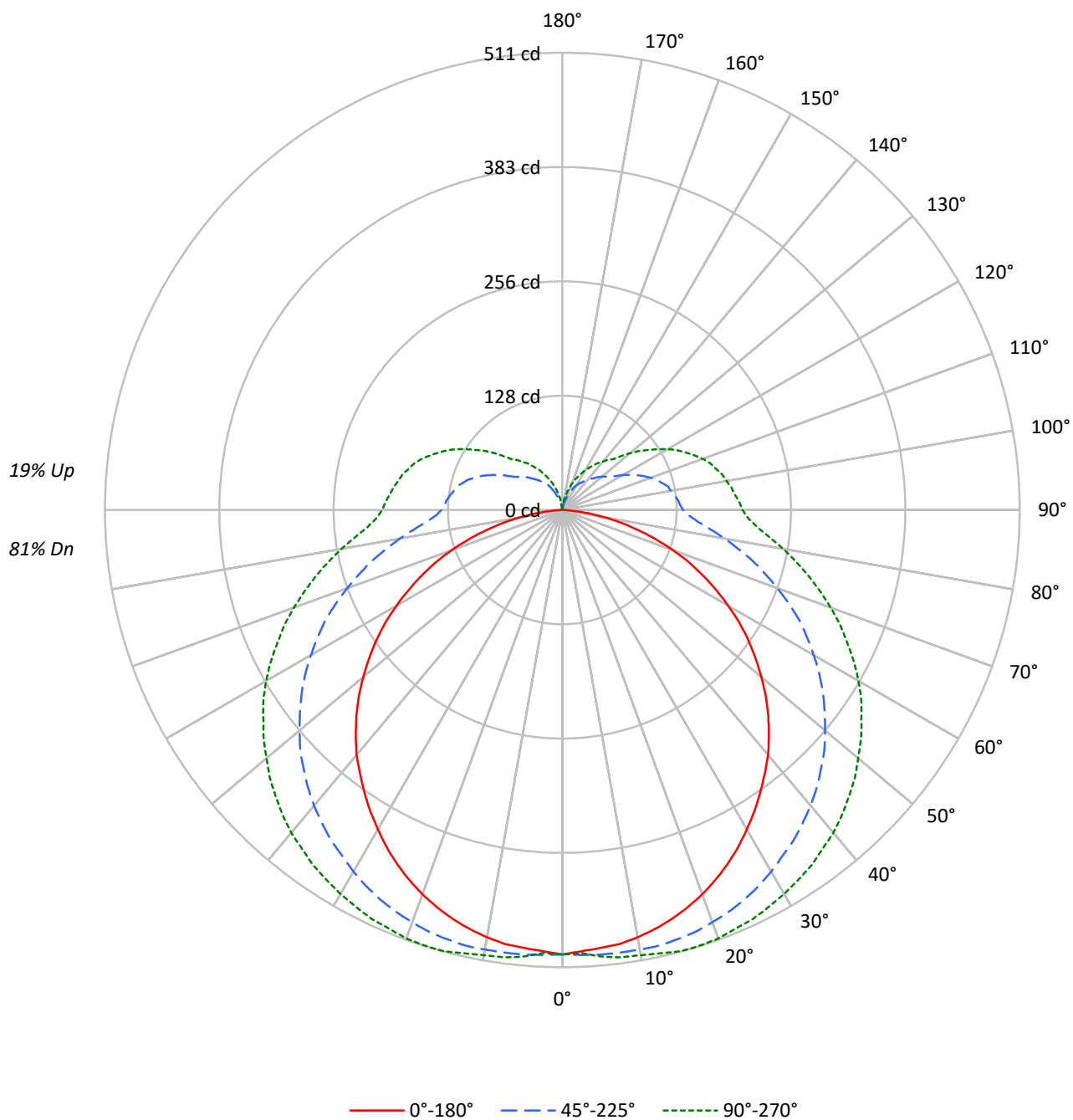
Lumens per Lamp: N/A
Luminaire Lumens: 2397.2 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.49 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 1.92' x H: 0.13')
CIE Type: Semi-Direct

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°	21420	21420	21420
5°	21143	20255	19943
10°	20983	19276	18807
15°	20746	18444	17979
20°	20473	17651	17143
25°	20143	16914	16362
30°	19749	16185	15646
35°	19371	15518	15015
40°	19044	14867	14417
45°	18587	14210	13808
50°	18010	13533	13205
55°	17393	12858	12627
60°	16528	12121	12063
65°	15451	11384	11393
70°	14001	10491	10733
75°	11811	9624	10025
80°	8649	8656	9325
85°	4184	7810	8694

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18587 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	2.0
10°-20°	140.0	5.8
20°-30°	219.8	9.2
30°-40°	278.1	11.6
40°-50°	309.3	12.9
50°-60°	308.6	12.9
60°-70°	276.8	11.5
70°-80°	218.0	9.1
80°-90°	153.4	6.4
90°-100°	126.1	5.3
100°-110°	108.7	4.5
110°-120°	83.3	3.5
120°-130°	56.2	2.3
130°-140°	35.7	1.5
140°-150°	21.8	0.9
150°-160°	10.6	0.4
160°-170°	3.0	0.1
170°-180°	0.2	0.0
0°-30°	407.4	17.0
0°-40°	685.5	28.6
0°-60°	1303.4	54.4
0°-90°	1951.5	81.4
90°-120°	318.1	13.3
90°-150°	431.9	18.0
90°-180°	446.0	18.6
0°-180°	2397.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	497	497	497	497	497	
5°	491	499	499	500	501	47
15°	473	486	497	506	511	133
25°	437	458	481	497	504	201
35°	385	416	451	474	485	241
45°	325	363	409	441	453	251
55°	254	300	355	394	408	226
65°	173	229	292	336	351	171
75°	89	151	220	268	285	94
85°	15	81	152	201	218	20
90°	0	63	135	183	201	1
95°	0	60	130	177	194	0
105°	0	46	116	162	178	0
115°	0	31	92	137	152	0
125°	0	22	64	103	117	0
135°	0	18	50	73	80	0
145°	0	15	38	55	61	0
155°	1	9	25	36	41	0
165°	1	3	9	15	20	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°	496.7	496.7	496.7	496.7	496.7
2.5°	493.5	499.9	497.7	496.7	495.6
5°	491.3	498.8	498.8	499.9	501.0
7.5°	489.2	496.7	498.8	501.0	504.2
10°	484.9	494.5	498.8	503.1	505.2
12.5°	479.5	491.3	498.8	504.2	507.4
15°	473.1	486.0	496.7	506.3	510.6
17.5°	465.6	480.6	494.5	506.3	510.6
20°	457.1	474.2	490.3	503.1	509.5
22.5°	447.4	466.7	486.0	499.9	506.3
25°	436.7	458.1	480.6	496.7	504.2
27.5°	425.0	448.5	474.2	492.4	499.9
30°	412.1	437.8	466.7	487.0	495.6
32.5°	399.3	427.1	458.1	480.6	490.3
35°	385.4	416.4	450.6	474.2	484.9
37.5°	371.4	404.6	441.0	467.8	477.4
40°	357.5	390.7	431.4	459.2	471.0
42.5°	341.5	377.9	420.7	450.6	462.4
45°	325.4	362.9	408.9	441.0	452.8
47.5°	308.3	349.0	397.1	430.3	443.2
50°	290.1	332.9	383.2	418.5	431.4
52.5°	271.9	316.8	369.3	406.8	420.7
55°	253.7	299.7	355.4	393.9	407.8
57.5°	234.4	283.7	340.4	380.0	396.1
60°	214.1	265.5	324.3	366.1	382.1
62.5°	193.7	247.3	308.3	351.1	367.2
65°	173.4	229.1	292.2	336.1	351.1
67.5°	153.1	209.8	274.0	319.0	336.1
70°	131.7	190.5	255.8	302.9	319.0
72.5°	110.3	170.2	237.6	284.7	301.9
75°	88.8	150.9	220.5	267.6	284.7
77.5°	68.5	131.7	201.2	249.4	267.6
80°	48.2	113.5	184.1	232.3	250.5
82.5°	31.0	96.3	167.0	216.2	233.4
85°	15.0	81.4	152.0	201.2	218.4
87.5°	4.3	69.6	141.3	189.5	207.7
90°	0.0	63.2	134.9	183.0	201.2
92.5°	0.0	61.0	131.7	179.8	198.0
95°	0.0	59.9	129.5	176.6	193.7
97.5°	0.0	57.8	126.3	173.4	190.5
100°	0.0	54.6	123.1	170.2	186.3
102.5°	0.0	50.3	121.0	165.9	183.0
105°	0.0	46.0	115.6	161.6	177.7
107.5°	0.0	40.7	111.3	156.3	173.4
110°	0.0	35.3	104.9	150.9	167.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	33.2	98.5	144.5	159.5
115°	0.0	31.0	92.1	137.0	152.0
117.5°	0.0	30.0	84.6	128.5	144.5
120°	0.0	26.8	78.1	119.9	135.9
122.5°	0.0	24.6	70.6	111.3	126.3
125°	0.0	22.5	64.2	102.8	116.7
127.5°	0.0	20.3	61.0	94.2	108.1
130°	0.0	20.3	57.8	85.6	98.5
132.5°	0.0	19.3	54.6	77.1	88.8
135°	0.0	18.2	50.3	72.8	80.3
137.5°	0.0	17.1	47.1	68.5	76.0
140°	0.0	17.1	43.9	64.2	70.6
142.5°	0.0	16.1	40.7	59.9	66.4
145°	0.0	15.0	37.5	54.6	61.0
147.5°	0.0	13.9	35.3	50.3	55.7
150°	0.0	11.8	32.1	46.0	51.4
152.5°	0.0	9.6	28.9	41.7	46.0
155°	1.1	8.6	24.6	36.4	40.7
157.5°	1.1	6.4	20.3	32.1	36.4
160°	1.1	5.4	16.1	26.8	31.0
162.5°	1.1	4.3	11.8	21.4	25.7
165°	1.1	3.2	8.6	15.0	20.3
167.5°	1.1	2.1	6.4	10.7	15.0
170°	1.1	2.1	4.3	6.4	10.7
172.5°	1.1	1.1	2.1	4.3	3.2
175°	1.1	1.1	1.1	2.1	1.1
177.5°	1.1	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	17.7	19.1	18.3	19.7	20.4	21.6	23.0	22.2	23.6	24.4
	3H	19.1	20.3	19.7	21.0	21.7	24.4	25.6	25.0	26.3	27.0
	4H	19.5	20.7	20.1	21.3	22.1	25.7	26.9	26.3	27.5	28.3
	6H	19.7	20.8	20.4	21.5	22.3	27.1	28.2	27.7	28.8	29.6
	8H	19.7	20.8	20.4	21.5	22.3	27.8	28.8	28.4	29.5	30.3
	12H	19.7	20.7	20.4	21.4	22.3	28.5	29.5	29.2	30.2	31.0
4H	2H	18.9	20.1	19.6	20.8	21.6	21.9	23.1	22.6	23.8	24.6
	3H	20.6	21.6	21.2	22.3	23.1	24.9	25.9	25.5	26.6	27.4
	4H	21.1	22.1	21.8	22.8	23.6	26.3	27.3	27.0	28.0	28.8
	6H	21.5	22.3	22.2	23.0	23.9	27.9	28.7	28.6	29.4	30.3
	8H	21.5	22.3	22.2	23.0	23.9	28.7	29.5	29.4	30.2	31.0
	12H	21.6	22.3	22.3	23.0	23.9	29.5	30.3	30.3	31.0	31.9
8H	4H	22.1	22.8	22.8	23.6	24.4	26.5	27.3	27.2	28.0	28.8
	6H	22.6	23.3	23.4	24.1	24.9	28.2	28.8	28.9	29.6	30.4
	8H	22.8	23.4	23.5	24.2	25.0	29.1	29.7	29.8	30.4	31.3
	12H	22.9	23.4	23.7	24.2	25.1	30.1	30.6	30.9	31.4	32.3
12H	4H	22.3	23.0	23.1	23.8	24.6	26.5	27.2	27.2	27.9	28.8
	6H	23.0	23.6	23.8	24.4	25.3	28.2	28.8	28.9	29.5	30.4
	8H	23.3	23.8	24.0	24.6	25.5	29.1	29.7	29.9	30.4	31.4

(END OF REPORT)