

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: P1500501

Luminaire Tested: 2CSSV-S3C59-BN-HI-5000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500501
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-5000K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 2000 Lumen 5000K

Light Source:
Ballast/Driver: -

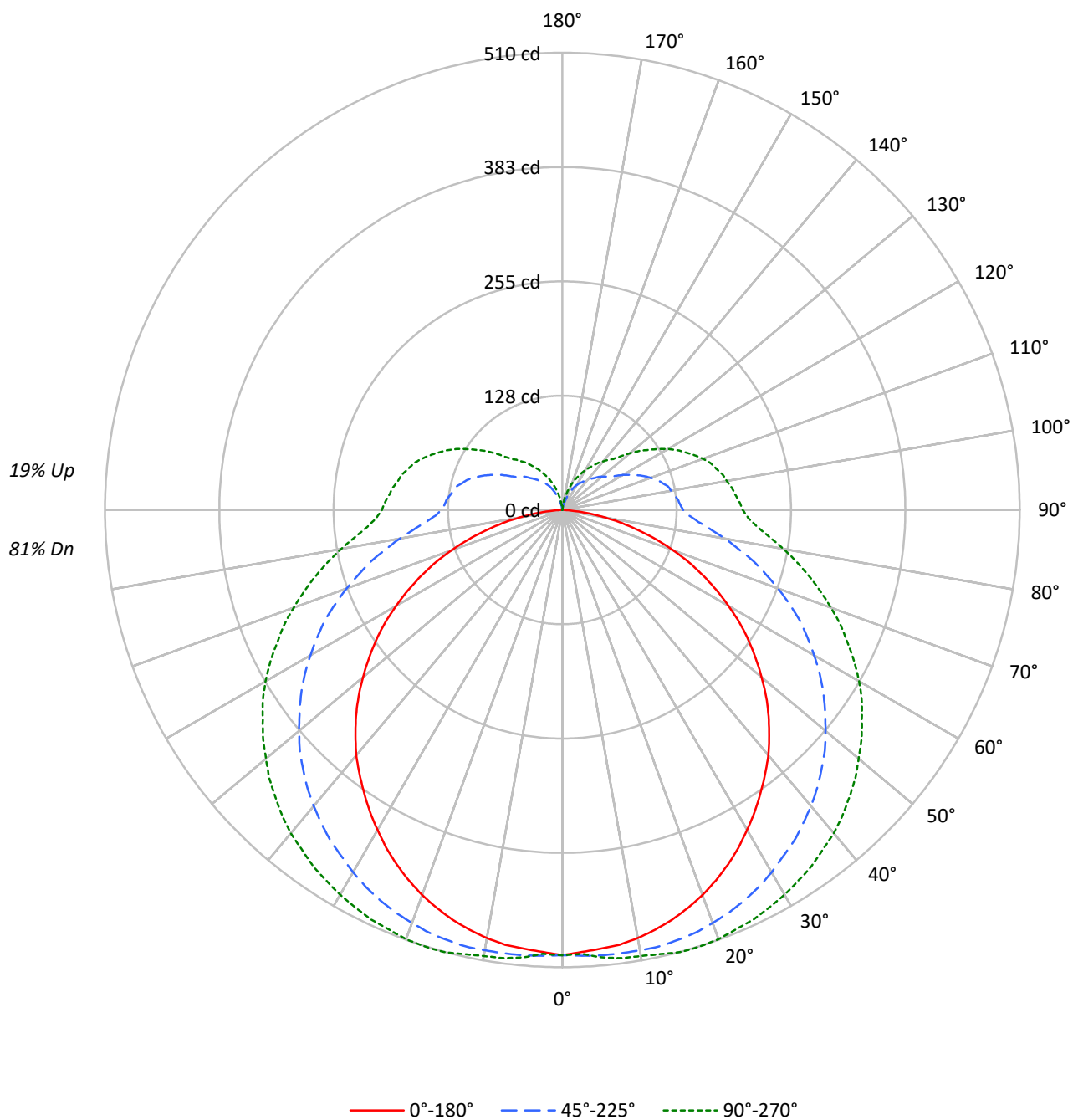
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2396.7 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°	21416	21416	21416
5°	21139	20251	19939
10°	20979	19272	18803
15°	20741	18441	17975
20°	20468	17644	17139
25°	20139	16910	16358
30°	19744	16181	15643
35°	19366	15518	15011
40°	19038	14864	14414
45°	18581	14206	13805
50°	18003	13529	13202
55°	17386	12854	12624
60°	16520	12121	12063
65°	15451	11384	11390
70°	13991	10491	10730
75°	11811	9624	10025
80°	8649	8656	9321
85°	4184	7810	8690

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18581 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°	309.2	12.9
50°-60°	308.5	12.9
60°-70°	276.7	11.5
70°-80°	218.0	9.1
80°-90°	153.3	6.4
90°-100°	126.0	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°	407.3	17.0
0°-40°	685.3	28.6
0°-60°	1303.1	54.4
0°-90°	1951.1	81.4
90°-120°	318.1	13.3
90°-150°	431.8	18.0
90°-180°	446.0	18.6
0°-180°	2396.7	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	510	133
25°	437	458	480	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°	496.6	496.6	496.6	496.6	496.6
2.5°	493.4	499.8	497.6	496.6	495.5
5°	491.2	498.7	498.7	499.8	500.9
7.5°	489.1	496.6	498.7	500.9	504.1
10°	484.8	494.4	498.7	503.0	505.1
12.5°	479.4	491.2	498.7	504.1	507.3
15°	473.0	485.9	496.6	506.2	510.5
17.5°	465.5	480.5	494.4	506.2	510.5
20°	457.0	474.1	490.1	503.0	509.4
22.5°	447.3	466.6	485.9	499.8	506.2
25°	436.6	458.0	480.5	496.6	504.1
27.5°	424.9	448.4	474.1	492.3	499.8
30°	412.0	437.7	466.6	486.9	495.5
32.5°	399.2	427.0	458.0	480.5	490.1
35°	385.3	416.3	450.6	474.1	484.8
37.5°	371.4	404.5	440.9	467.7	477.3
40°	357.4	390.6	431.3	459.1	470.9
42.5°	341.4	377.8	420.6	450.6	462.3
45°	325.3	362.8	408.8	440.9	452.7
47.5°	308.2	348.9	397.0	430.2	443.1
50°	290.0	332.8	383.1	418.4	431.3
52.5°	271.8	316.8	369.2	406.7	420.6
55°	253.6	299.7	355.3	393.8	407.7
57.5°	234.4	283.6	340.3	379.9	396.0
60°	214.0	265.4	324.3	366.0	382.1
62.5°	193.7	247.2	308.2	351.0	367.1
65°	173.4	229.0	292.2	336.0	351.0
67.5°	153.0	209.8	274.0	318.9	336.0
70°	131.6	190.5	255.8	302.9	318.9
72.5°	110.2	170.2	237.6	284.7	301.8
75°	88.8	150.9	220.5	267.5	284.7
77.5°	68.5	131.6	201.2	249.4	267.5
80°	48.2	113.4	184.1	232.2	250.4
82.5°	31.0	96.3	167.0	216.2	233.3
85°	15.0	81.3	152.0	201.2	218.3
87.5°	4.3	69.6	141.3	189.4	207.6
90°	0.0	63.1	134.8	183.0	201.2
92.5°	0.0	61.0	131.6	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	186.2
102.5°	0.0	50.3	120.9	165.9	183.0
105°	0.0	46.0	115.6	161.6	177.7
107.5°	0.0	40.7	111.3	156.2	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	92.0	137.0	152.0
117.5°	0.0	30.0	84.5	128.4	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	102.7	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	30.2	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	30.8	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)