

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: P1500499

Luminaire Tested: 2CSSV-S3C59-BN-HI-3500K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500499
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-3500K
Description: 2' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 2000 Lumen 3500K

Light Source:
Ballast/Driver: -

Summary

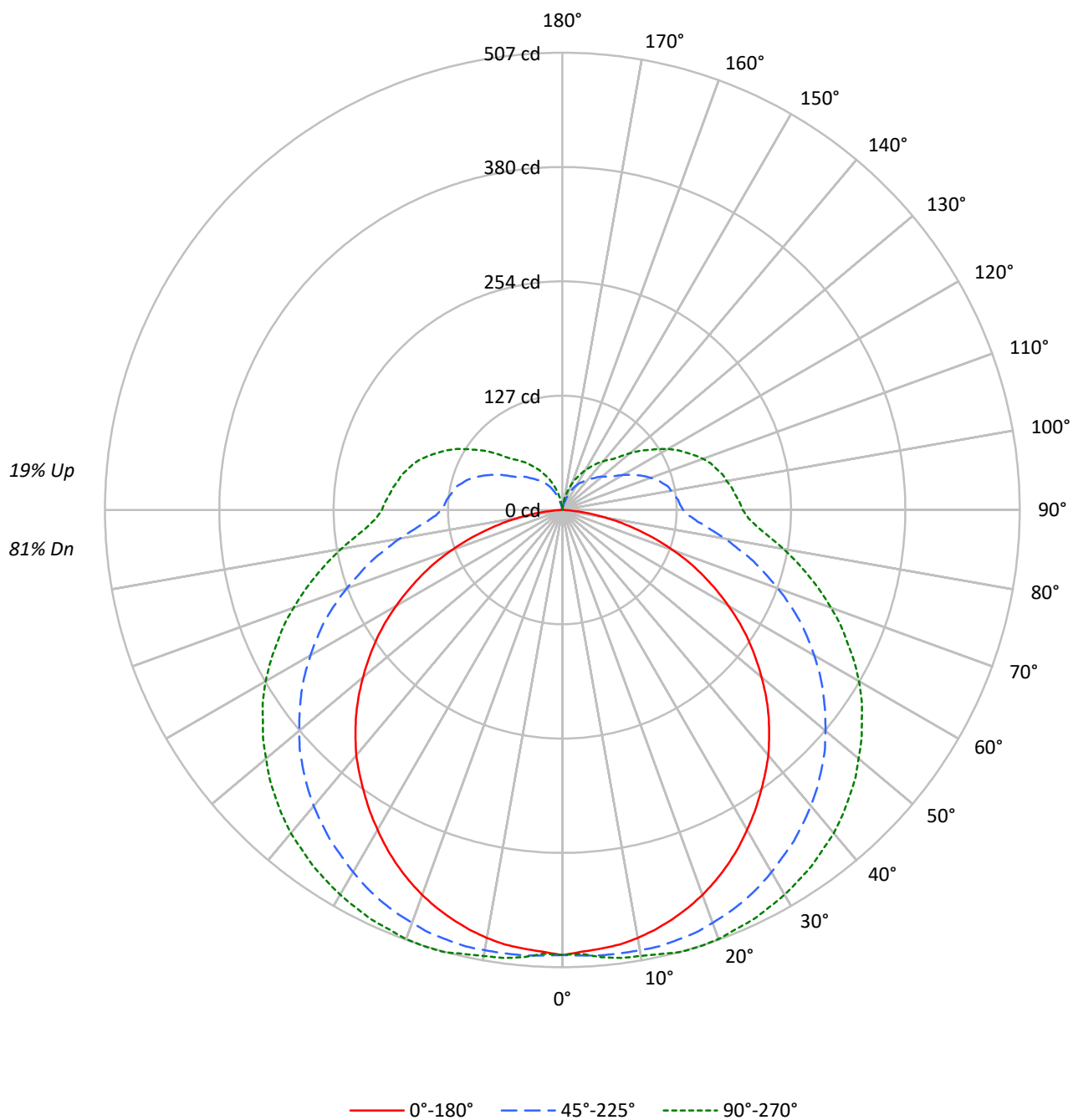
Lumens per Lamp: N/A
Luminaire Lumens: 2382.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.49 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 1.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 24.5
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°	21282	21282	21282
5°	21009	20129	19816
10°	20849	19156	18691
15°	20614	18326	17866
20°	20343	17539	17035
25°	20019	16808	16258
30°	19624	16084	15548
35°	19246	15422	14919
40°	18926	14774	14326
45°	18473	14119	13719
50°	17898	13448	13123
55°	17283	12774	12550
60°	16420	12046	11987
65°	15353	11314	11322
70°	13906	10426	10666
75°	11745	9563	9961
80°	8595	8605	9266
85°	4156	7759	8638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18473 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	2.0
10°-20°	139.1	5.8
20°-30°	218.4	9.2
30°-40°	276.4	11.6
40°-50°	307.3	12.9
50°-60°	306.7	12.9
60°-70°	275.0	11.5
70°-80°	216.6	9.1
80°-90°	152.4	6.4
90°-100°	125.3	5.3
100°-110°	108.1	4.5
110°-120°	82.8	3.5
120°-130°	55.9	2.3
130°-140°	35.4	1.5
140°-150°	21.7	0.9
150°-160°	10.6	0.4
160°-170°	2.9	0.1
170°-180°	0.2	0.0
0°-30°	404.8	17.0
0°-40°	681.2	28.6
0°-60°	1295.1	54.4
0°-90°	1939.2	81.4
90°-120°	316.1	13.3
90°-150°	429.1	18.0
90°-180°	443.0	18.6
0°-180°	2382.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	494	494	494	494	494	
5°	488	496	496	497	498	46
15°	470	483	494	503	507	133
25°	434	455	478	494	501	200
35°	383	414	448	471	482	240
45°	323	361	406	438	450	249
55°	252	298	353	391	405	225
65°	172	228	290	334	349	170
75°	88	150	219	266	283	94
85°	15	81	151	200	217	20
90°	0	63	134	182	200	1
95°	0	60	129	176	192	0
105°	0	46	115	161	177	0
115°	0	31	92	136	151	0
125°	0	22	64	102	116	0
135°	0	18	50	72	80	0
145°	0	15	37	54	61	0
155°	1	8	24	36	40	0
165°	1	3	8	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°	493.5	493.5	493.5	493.5	493.5
2.5°	490.4	496.7	494.6	493.5	492.5
5°	488.2	495.7	495.7	496.7	497.8
7.5°	486.1	493.5	495.7	497.8	501.0
10°	481.8	491.4	495.7	499.9	502.1
12.5°	476.5	488.2	495.7	501.0	504.2
15°	470.1	482.9	493.5	503.1	507.4
17.5°	462.7	477.6	491.4	503.1	507.4
20°	454.2	471.2	487.2	499.9	506.3
22.5°	444.6	463.8	482.9	496.7	503.1
25°	434.0	455.3	477.6	493.5	501.0
27.5°	422.3	445.7	471.2	489.3	496.7
30°	409.5	435.0	463.8	484.0	492.5
32.5°	396.8	424.4	455.3	477.6	487.2
35°	382.9	413.8	447.8	471.2	481.8
37.5°	369.1	402.1	438.2	464.8	474.4
40°	355.3	388.2	428.7	456.3	468.0
42.5°	339.3	375.5	418.0	447.8	459.5
45°	323.4	360.6	406.3	438.2	449.9
47.5°	306.3	346.8	394.6	427.6	440.4
50°	288.3	330.8	380.8	415.9	428.7
52.5°	270.2	314.8	367.0	404.2	418.0
55°	252.1	297.8	353.1	391.4	405.3
57.5°	232.9	281.9	338.2	377.6	393.6
60°	212.7	263.8	322.3	363.8	379.7
62.5°	192.5	245.7	306.3	348.9	364.8
65°	172.3	227.6	290.4	334.0	348.9
67.5°	152.1	208.5	272.3	317.0	334.0
70°	130.8	189.3	254.2	301.0	317.0
72.5°	109.6	169.1	236.1	282.9	300.0
75°	88.3	150.0	219.1	265.9	282.9
77.5°	68.1	130.8	200.0	247.8	265.9
80°	47.9	112.7	183.0	230.8	248.9
82.5°	30.8	95.7	165.9	214.9	231.9
85°	14.9	80.8	151.0	200.0	217.0
87.5°	4.3	69.1	140.4	188.3	206.4
90°	0.0	62.8	134.0	181.9	200.0
92.5°	0.0	60.6	130.8	178.7	196.8
95°	0.0	59.6	128.7	175.5	192.5
97.5°	0.0	57.4	125.5	172.3	189.3
100°	0.0	54.2	122.3	169.1	185.1
102.5°	0.0	50.0	120.2	164.9	181.9
105°	0.0	45.7	114.9	160.6	176.6
107.5°	0.0	40.4	110.6	155.3	172.3
110°	0.0	35.1	104.2	150.0	165.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	33.0	97.9	143.6	158.5
115°	0.0	30.8	91.5	136.2	151.0
117.5°	0.0	29.8	84.0	127.6	143.6
120°	0.0	26.6	77.6	119.1	135.1
122.5°	0.0	24.5	70.2	110.6	125.5
125°	0.0	22.3	63.8	102.1	115.9
127.5°	0.0	20.2	60.6	93.6	107.4
130°	0.0	20.2	57.4	85.1	97.9
132.5°	0.0	19.1	54.2	76.6	88.3
135°	0.0	18.1	50.0	72.3	79.8
137.5°	0.0	17.0	46.8	68.1	75.5
140°	0.0	17.0	43.6	63.8	70.2
142.5°	0.0	16.0	40.4	59.6	65.9
145°	0.0	14.9	37.2	54.2	60.6
147.5°	0.0	13.8	35.1	50.0	55.3
150°	0.0	11.7	31.9	45.7	51.1
152.5°	0.0	9.6	28.7	41.5	45.7
155°	1.1	8.5	24.5	36.2	40.4
157.5°	1.1	6.4	20.2	31.9	36.2
160°	1.1	5.3	16.0	26.6	30.8
162.5°	1.1	4.3	11.7	21.3	25.5
165°	1.1	3.2	8.5	14.9	20.2
167.5°	1.1	2.1	6.4	10.6	14.9
170°	1.1	2.1	4.3	6.4	10.6
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	19.0	18.3	19.7	20.4	21.6	23.0	22.2	23.6	24.3
	3H	19.1	20.3	19.7	20.9	21.7	24.3	25.6	25.0	26.2	27.0
	4H	19.5	20.6	20.1	21.3	22.1	25.7	26.8	26.3	27.5	28.3
	6H	19.7	20.8	20.3	21.4	22.2	27.0	28.1	27.7	28.8	29.6
	8H	19.7	20.8	20.4	21.5	22.3	27.7	28.8	28.4	29.5	30.3
	12H	19.7	20.7	20.4	21.4	22.2	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	24.5
	3H	20.6	21.6	21.2	22.3	23.1	24.8	25.9	25.5	26.6	27.4
	4H	21.1	22.0	21.8	22.7	23.6	26.3	27.3	27.0	28.0	28.8
	6H	21.4	22.3	22.1	23.0	23.8	27.9	28.7	28.6	29.4	30.3
	8H	21.5	22.3	22.2	23.0	23.9	28.7	29.4	29.4	30.2	31.0
	12H	21.5	22.3	22.3	23.0	23.9	29.5	30.2	30.2	31.0	31.8
8H	4H	22.0	22.8	22.8	23.6	24.4	26.5	27.2	27.2	28.0	28.8
	6H	22.6	23.3	23.3	24.0	24.9	28.1	28.8	28.9	29.6	30.4
	8H	22.8	23.4	23.5	24.1	25.0	29.1	29.7	29.8	30.4	31.3
	12H	22.9	23.4	23.6	24.2	25.1	30.1	30.6	30.8	31.4	32.3
12H	4H	22.3	23.0	23.0	23.8	24.6	26.5	27.2	27.2	27.9	28.8
	6H	23.0	23.6	23.8	24.3	25.2	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	31.3

(END OF REPORT)