

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: P1500550

Luminaire Tested: 3CSSV-S3C59-BN-LO-4000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500550
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-BN-LO-4000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 1800 Lumen 4000K

Light Source:
Ballast/Driver: -

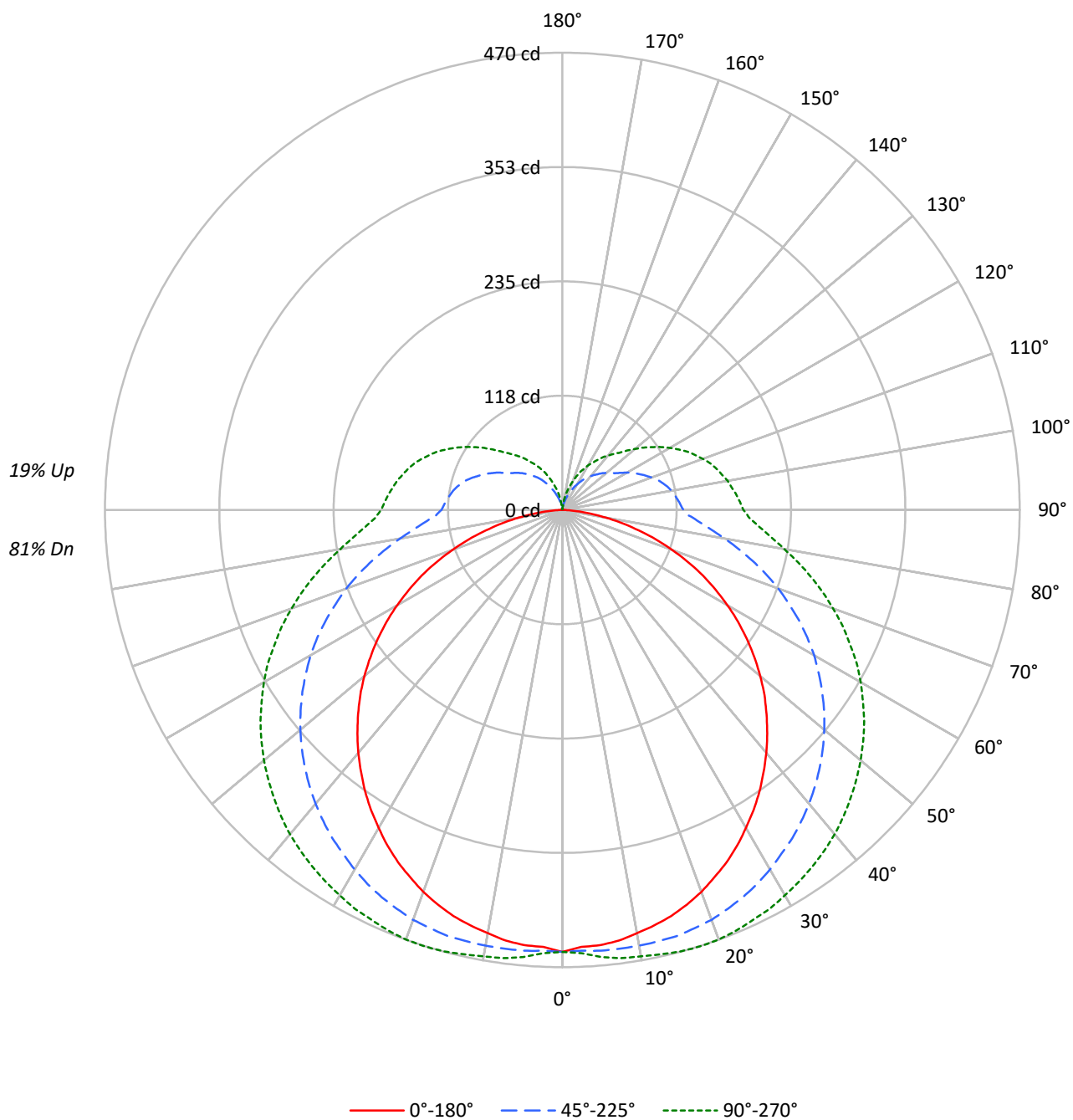
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2220.5 lumens
Efficiency: N/A
Efficacy: 116.3 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): 19.1
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°	12879	12879	12879
5°	12731	12160	12074
10°	12622	11586	11404
15°	12535	11114	10877
20°	12403	10662	10394
25°	12245	10221	9913
30°	12047	9797	9495
35°	11860	9398	9115
40°	11633	9011	8761
45°	11391	8629	8401
50°	11122	8245	8055
55°	10765	7843	7710
60°	10314	7432	7348
65°	9763	6962	6956
70°	8894	6465	6551
75°	7638	5903	6117
80°	5932	5325	5669
85°	3234	4865	5332

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11391 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	2.0
10°-20°	128.2	5.8
20°-30°	201.6	9.1
30°-40°	255.3	11.5
40°-50°	283.9	12.8
50°-60°	284.0	12.8
60°-70°	255.0	11.5
70°-80°	201.3	9.1
80°-90°	142.1	6.4
90°-100°	116.6	5.3
100°-110°	100.8	4.5
110°-120°	79.1	3.6
120°-130°	56.0	2.5
130°-140°	36.9	1.7
140°-150°	22.3	1.0
150°-160°	10.5	0.5
160°-170°	3.0	0.1
170°-180°	0.3	0.0
0°-30°	373.3	16.8
0°-40°	628.6	28.3
0°-60°	1196.5	53.9
0°-90°	1795.0	80.8
90°-120°	296.5	13.4
90°-150°	411.7	18.5
90°-180°	426.0	19.2
0°-180°	2220.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	454	454	454	454	454	
5°	449	459	455	456	461	43
15°	432	447	454	463	470	122
25°	400	422	439	455	465	184
35°	353	383	412	435	448	221
45°	297	334	374	405	419	229
55°	232	276	326	362	379	207
65°	159	210	268	310	326	157
75°	81	139	202	247	264	87
85°	15	75	141	187	204	19
90°	1	59	124	170	186	1
95°	0	55	119	164	180	0
105°	1	44	107	149	164	0
115°	1	34	87	127	142	1
125°	1	26	66	100	113	1
135°	1	21	52	74	83	1
145°	1	15	38	56	62	0
155°	1	8	23	36	42	1
165°	1	4	9	15	21	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	454.2	454.2	454.2	454.2	454.2
2.5°	449.6	458.7	453.5	454.2	456.1
5°	449.0	458.7	454.8	455.5	461.3
7.5°	446.4	456.8	454.8	458.1	464.6
10°	441.8	454.8	454.8	460.0	465.9
12.5°	437.3	450.9	454.2	460.7	467.8
15°	432.1	447.0	453.5	462.6	469.8
17.5°	425.5	442.5	450.9	462.0	470.4
20°	417.7	436.0	448.3	460.0	469.8
22.5°	408.6	429.5	443.8	458.1	467.8
25°	399.5	421.6	439.2	454.8	464.6
27.5°	389.1	413.2	433.4	450.9	462.0
30°	377.4	403.4	426.8	446.4	457.4
32.5°	365.7	393.7	419.0	441.2	452.9
35°	353.3	382.6	411.9	435.3	447.7
37.5°	339.7	371.5	403.4	428.8	441.8
40°	326.0	359.8	394.3	421.6	435.3
42.5°	311.7	346.8	384.6	413.2	427.5
45°	296.7	334.5	374.1	404.7	419.0
47.5°	281.7	320.8	363.1	395.0	409.9
50°	265.5	306.5	351.4	384.6	400.2
52.5°	248.6	292.2	339.0	374.1	389.8
55°	231.6	276.5	326.0	362.4	378.7
57.5°	214.1	260.3	312.3	350.1	366.3
60°	195.9	244.0	298.7	337.1	354.0
62.5°	177.6	227.7	283.7	323.4	341.0
65°	159.4	210.2	268.1	309.7	326.0
67.5°	139.9	193.3	251.8	294.8	311.7
70°	120.4	175.0	236.2	279.1	296.1
72.5°	100.9	156.8	219.3	263.5	280.4
75°	81.3	139.2	202.4	247.3	264.2
77.5°	63.8	121.7	185.4	231.0	247.9
80°	45.5	104.8	169.2	215.4	231.6
82.5°	28.6	88.5	154.2	200.4	216.7
85°	15.0	74.8	141.2	187.4	203.7
87.5°	4.6	64.4	130.1	176.3	192.6
90°	0.7	58.6	124.3	169.8	186.1
92.5°	0.0	56.6	121.7	166.6	182.8
95°	0.0	55.3	119.1	164.0	179.6
97.5°	0.0	53.4	116.5	160.7	175.7
100°	0.0	50.8	113.9	156.8	172.4
102.5°	0.0	47.5	110.6	152.9	167.9
105°	0.7	44.2	106.7	149.0	164.0
107.5°	0.7	40.3	102.8	144.5	159.4
110°	0.7	37.1	97.6	138.6	153.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	35.1	92.4	132.7	147.7
115°	0.7	33.8	87.2	126.9	141.8
117.5°	0.7	31.9	82.0	120.4	134.7
120°	0.7	29.9	76.8	113.2	127.5
122.5°	0.7	27.3	70.9	106.7	120.4
125°	0.7	26.0	65.7	99.6	112.6
127.5°	0.7	24.7	62.5	92.4	105.4
130°	0.7	23.4	59.2	85.2	97.6
132.5°	0.7	22.1	56.0	78.7	90.4
135°	0.7	20.8	52.1	74.2	83.3
137.5°	0.7	19.5	48.8	69.6	78.1
140°	0.7	18.2	45.5	65.1	72.9
142.5°	0.7	16.9	42.3	60.5	68.3
145°	0.7	15.0	38.4	56.0	62.5
147.5°	0.7	13.0	34.5	51.4	57.3
150°	0.7	11.7	30.6	46.8	52.7
152.5°	1.3	10.4	26.7	42.3	47.5
155°	1.3	8.5	22.8	36.4	42.3
157.5°	1.3	7.2	18.9	30.6	37.1
160°	1.3	5.9	15.6	24.7	31.2
162.5°	1.3	4.6	12.4	19.5	26.0
165°	1.3	3.9	9.1	15.0	20.8
167.5°	1.3	3.3	7.2	10.4	16.3
170°	1.3	2.6	5.2	7.2	11.1
172.5°	1.3	2.0	3.3	4.6	3.3
175°	1.3	1.3	2.0	2.0	1.3
177.5°	1.3	1.3	1.3	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7

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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	15.9	17.3	16.5	17.9	18.7	19.9	21.3	20.6	21.9	22.7
	3H	17.3	18.5	17.9	19.2	20.0	22.7	23.9	23.3	24.6	25.4
	4H	17.7	18.9	18.3	19.5	20.3	24.1	25.2	24.7	25.9	26.7
	6H	17.9	19.0	18.6	19.7	20.5	25.5	26.6	26.1	27.2	28.1
	8H	17.9	19.0	18.6	19.7	20.5	26.2	27.2	26.9	27.9	28.8
	12H	17.9	18.9	18.6	19.6	20.5	27.0	28.0	27.7	28.7	29.5
4H	2H	17.2	18.3	17.8	19.0	19.8	20.2	21.4	20.9	22.1	22.9
	3H	18.8	19.8	19.5	20.5	21.3	23.2	24.2	23.9	24.9	25.7
	4H	19.4	20.3	20.0	21.0	21.8	24.7	25.6	25.4	26.3	27.2
	6H	19.7	20.5	20.4	21.3	22.1	26.3	27.1	27.0	27.8	28.7
	8H	19.8	20.5	20.5	21.3	22.1	27.1	27.9	27.8	28.6	29.5
	12H	19.8	20.5	20.5	21.3	22.1	28.0	28.7	28.7	29.5	30.3
8H	4H	20.3	21.1	21.0	21.8	22.7	24.8	25.6	25.5	26.3	27.2
	6H	20.9	21.5	21.6	22.3	23.2	26.6	27.2	27.3	28.0	28.8
	8H	21.0	21.6	21.8	22.4	23.3	27.5	28.1	28.2	28.9	29.7
	12H	21.1	21.7	21.9	22.4	23.4	28.6	29.1	29.3	29.9	30.8
12H	4H	20.6	21.3	21.3	22.0	22.9	24.8	25.5	25.6	26.3	27.2
	6H	21.3	21.9	22.0	22.6	23.5	26.6	27.2	27.3	27.9	28.8
	8H	21.5	22.1	22.3	22.8	23.8	27.6	28.1	28.3	28.9	29.8

(END OF REPORT)