

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: P1500549

Luminaire Tested: 3CSSV-S3C59-BN-LO-3500K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500549
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-3500K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 1800 Lumen 3500K

Light Source:
Ballast/Driver: -

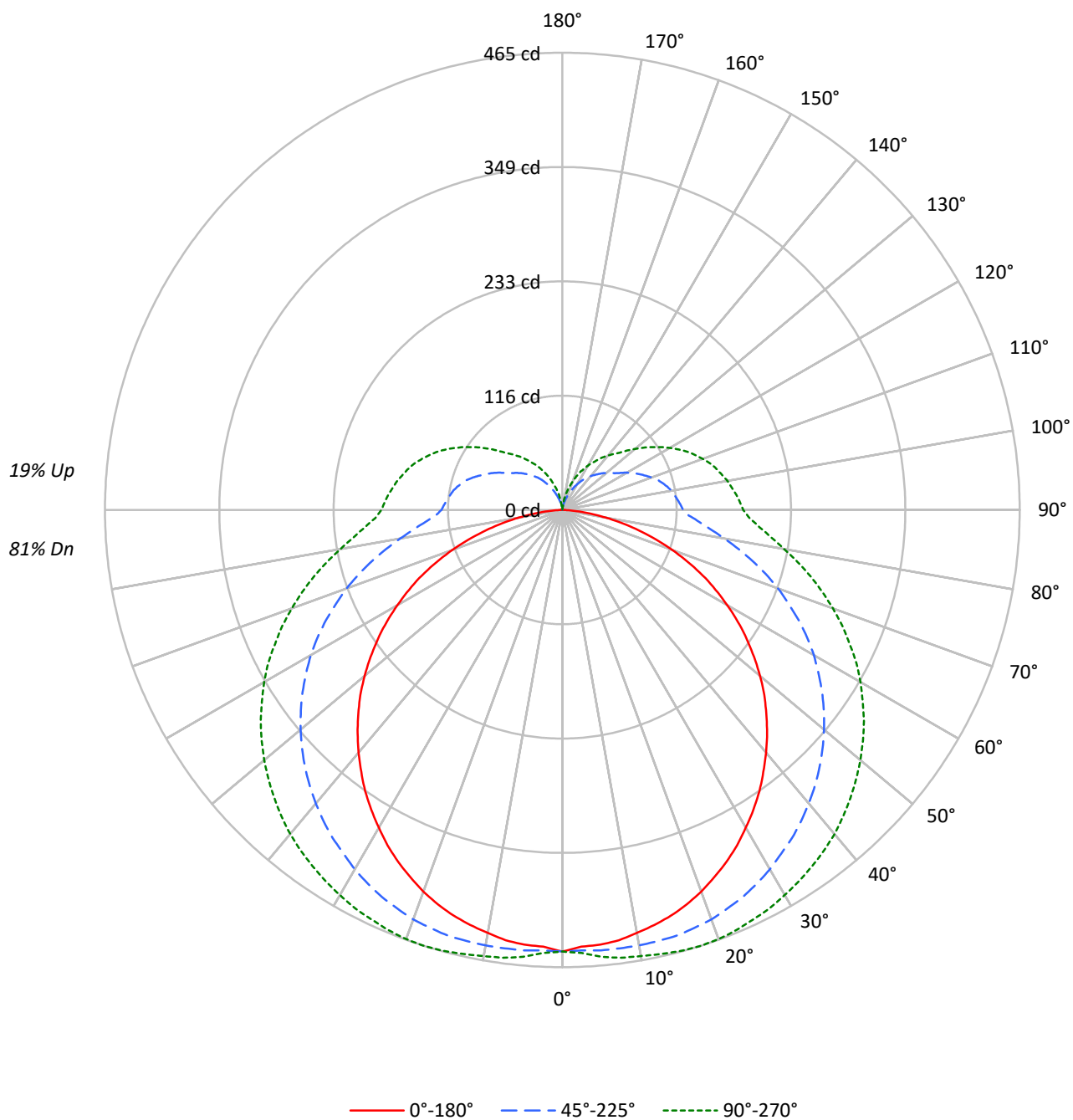
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2195.1 lumens
Efficiency: N/A
Efficacy: 114.9 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			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	81
1	102	96	91	86	97	92	87	83	84	80	77	77	74	71	70	68	66	62
2	91	82	74	68	87	79	72	66	72	66	61	66	61	57	60	56	53	50
3	83	71	62	55	78	68	60	53	62	56	50	57	51	47	52	47	44	40
4	75	62	53	46	71	60	51	45	55	48	42	50	44	39	46	41	37	34
5	69	55	46	39	65	53	44	38	49	41	36	45	38	34	41	36	31	29
6	63	50	40	34	60	48	39	33	44	36	31	40	34	29	37	32	27	25
7	59	45	36	29	56	43	34	28	40	32	27	36	30	25	34	28	24	22
8	54	41	32	26	52	39	31	25	36	29	24	33	27	23	31	25	21	19
9	51	37	29	23	48	36	28	22	33	26	21	31	25	20	28	23	19	17
10	47	34	26	21	45	33	25	20	30	24	19	28	22	18	26	21	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12732	12732	12732
5°	12583	12021	11938
10°	12479	11454	11274
15°	12390	10986	10752
20°	12264	10540	10274
25°	12104	10105	9800
30°	11910	9687	9387
35°	11726	9291	9009
40°	11501	8908	8661
45°	11260	8532	8305
50°	10992	8148	7962
55°	10644	7754	7623
60°	10193	7345	7263
65°	9653	6881	6877
70°	8791	6391	6476
75°	7554	5833	6047
80°	5867	5262	5605
85°	3191	4810	5269

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11260 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	2.0
10°-20°	126.7	5.8
20°-30°	199.3	9.1
30°-40°	252.4	11.5
40°-50°	280.7	12.8
50°-60°	280.7	12.8
60°-70°	252.1	11.5
70°-80°	199.0	9.1
80°-90°	140.5	6.4
90°-100°	115.3	5.3
100°-110°	99.7	4.5
110°-120°	78.1	3.6
120°-130°	55.4	2.5
130°-140°	36.5	1.7
140°-150°	22.0	1.0
150°-160°	10.4	0.5
160°-170°	3.0	0.1
170°-180°	0.3	0.0
0°-30°	369.1	16.8
0°-40°	621.5	28.3
0°-60°	1182.8	53.9
0°-90°	1774.5	80.8
90°-120°	293.1	13.4
90°-150°	407.0	18.5
90°-180°	421.0	19.2
0°-180°	2195.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	449	449	449	449	449	
5°	444	454	450	450	456	42
15°	427	442	448	457	464	120
25°	395	417	434	450	459	182
35°	349	378	407	430	442	218
45°	293	331	370	400	414	226
55°	229	273	322	358	374	204
65°	158	208	265	306	322	155
75°	80	138	200	244	261	86
85°	15	74	140	185	201	18
90°	1	58	123	168	184	1
95°	0	55	118	162	178	0
105°	1	44	106	147	162	0
115°	1	33	86	125	140	1
125°	1	26	65	98	111	1
135°	1	21	52	73	82	0
145°	1	15	38	55	62	0
155°	1	8	22	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°	449.0	449.0	449.0	449.0	449.0
2.5°	444.5	453.5	448.3	449.0	450.9
5°	443.8	453.5	449.6	450.3	456.1
7.5°	441.3	451.6	449.6	452.8	459.3
10°	436.8	449.6	449.6	454.8	460.6
12.5°	432.3	445.8	449.0	455.4	462.5
15°	427.1	441.9	448.3	457.3	464.4
17.5°	420.7	437.4	445.8	456.7	465.1
20°	413.0	431.0	443.2	454.8	464.4
22.5°	404.0	424.5	438.7	452.8	462.5
25°	394.9	416.8	434.2	449.6	459.3
27.5°	384.7	408.5	428.4	445.8	456.7
30°	373.1	398.8	422.0	441.3	452.2
32.5°	361.5	389.2	414.2	436.1	447.7
35°	349.3	378.2	407.2	430.3	442.5
37.5°	335.8	367.3	398.8	423.9	436.8
40°	322.3	355.7	389.8	416.8	430.3
42.5°	308.1	342.8	380.2	408.5	422.6
45°	293.3	330.6	369.9	400.1	414.2
47.5°	278.5	317.1	358.9	390.4	405.2
50°	262.4	303.0	347.3	380.2	395.6
52.5°	245.7	288.8	335.1	369.9	385.3
55°	229.0	273.4	322.3	358.3	374.4
57.5°	211.6	257.3	308.8	346.1	362.1
60°	193.6	241.2	295.2	333.2	349.9
62.5°	175.6	225.1	280.5	319.7	337.1
65°	157.6	207.8	265.0	306.2	322.3
67.5°	138.3	191.0	248.9	291.4	308.1
70°	119.0	173.0	233.5	275.9	292.7
72.5°	99.7	155.0	216.8	260.5	277.2
75°	80.4	137.7	200.0	244.4	261.2
77.5°	63.0	120.3	183.3	228.4	245.1
80°	45.0	103.6	167.2	212.9	229.0
82.5°	28.3	87.5	152.4	198.1	214.2
85°	14.8	74.0	139.6	185.3	201.3
87.5°	4.5	63.7	128.6	174.3	190.4
90°	0.6	57.9	122.9	167.9	184.0
92.5°	0.0	56.0	120.3	164.7	180.8
95°	0.0	54.7	117.7	162.1	177.5
97.5°	0.0	52.7	115.1	158.9	173.7
100°	0.0	50.2	112.6	155.0	170.5
102.5°	0.0	47.0	109.4	151.2	166.0
105°	0.6	43.7	105.5	147.3	162.1
107.5°	0.6	39.9	101.6	142.8	157.6
110°	0.6	36.7	96.5	137.0	151.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	34.7	91.3	131.2	146.0
115°	0.6	33.4	86.2	125.4	140.2
117.5°	0.6	31.5	81.0	119.0	133.2
120°	0.6	29.6	75.9	111.9	126.1
122.5°	0.6	27.0	70.1	105.5	119.0
125°	0.6	25.7	65.0	98.4	111.3
127.5°	0.6	24.4	61.8	91.3	104.2
130°	0.6	23.2	58.5	84.3	96.5
132.5°	0.6	21.9	55.3	77.8	89.4
135°	0.6	20.6	51.5	73.3	82.3
137.5°	0.6	19.3	48.2	68.8	77.2
140°	0.6	18.0	45.0	64.3	72.0
142.5°	0.6	16.7	41.8	59.8	67.5
145°	0.6	14.8	38.0	55.3	61.8
147.5°	0.6	12.9	34.1	50.8	56.6
150°	0.6	11.6	30.2	46.3	52.1
152.5°	1.3	10.3	26.4	41.8	47.0
155°	1.3	8.4	22.5	36.0	41.8
157.5°	1.3	7.1	18.7	30.2	36.7
160°	1.3	5.8	15.4	24.4	30.9
162.5°	1.3	4.5	12.2	19.3	25.7
165°	1.3	3.9	9.0	14.8	20.6
167.5°	1.3	3.2	7.1	10.3	16.1
170°	1.3	2.6	5.1	7.1	10.9
172.5°	1.3	1.9	3.2	4.5	3.2
175°	1.3	1.3	1.9	1.9	1.3
177.5°	1.3	1.3	1.3	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6

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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	17.2	16.5	17.9	18.6	19.9	21.2	20.5	21.9	22.6
	3H	17.2	18.5	17.9	19.1	19.9	22.7	23.9	23.3	24.6	25.3
	4H	17.6	18.8	18.3	19.5	20.3	24.0	25.2	24.7	25.9	26.7
	6H	17.9	19.0	18.5	19.6	20.5	25.4	26.5	26.1	27.2	28.0
	8H	17.9	18.9	18.6	19.7	20.5	26.2	27.2	26.8	27.9	28.7
	12H	17.9	18.9	18.6	19.6	20.4	27.0	28.0	27.6	28.7	29.5
4H	2H	17.1	18.3	17.8	19.0	19.8	20.2	21.4	20.9	22.0	22.8
	3H	18.8	19.8	19.4	20.5	21.3	23.2	24.2	23.8	24.9	25.7
	4H	19.3	20.2	20.0	21.0	21.8	24.7	25.6	25.4	26.3	27.1
	6H	19.7	20.5	20.4	21.2	22.1	26.2	27.1	26.9	27.8	28.6
	8H	19.7	20.5	20.4	21.2	22.1	27.1	27.8	27.8	28.6	29.4
	12H	19.8	20.5	20.5	21.2	22.1	28.0	28.7	28.7	29.4	30.3
8H	4H	20.3	21.0	21.0	21.8	22.6	24.8	25.6	25.5	26.3	27.2
	6H	20.8	21.5	21.6	22.3	23.1	26.5	27.2	27.3	27.9	28.8
	8H	21.0	21.6	21.8	22.4	23.3	27.5	28.0	28.2	28.8	29.7
	12H	21.1	21.6	21.9	22.4	23.3	28.5	29.1	29.3	29.8	30.8
12H	4H	20.5	21.2	21.3	22.0	22.9	24.8	25.5	25.5	26.2	27.1
	6H	21.2	21.8	22.0	22.6	23.5	26.5	27.1	27.3	27.9	28.8
	8H	21.5	22.0	22.3	22.8	23.7	27.5	28.0	28.3	28.8	29.7

(END OF REPORT)