

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: P1500548

Luminaire Tested: 3CSSV-S3C59-BN-LO-3000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500548
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-3000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 1800 Lumen 3000K

Light Source:
Ballast/Driver: -

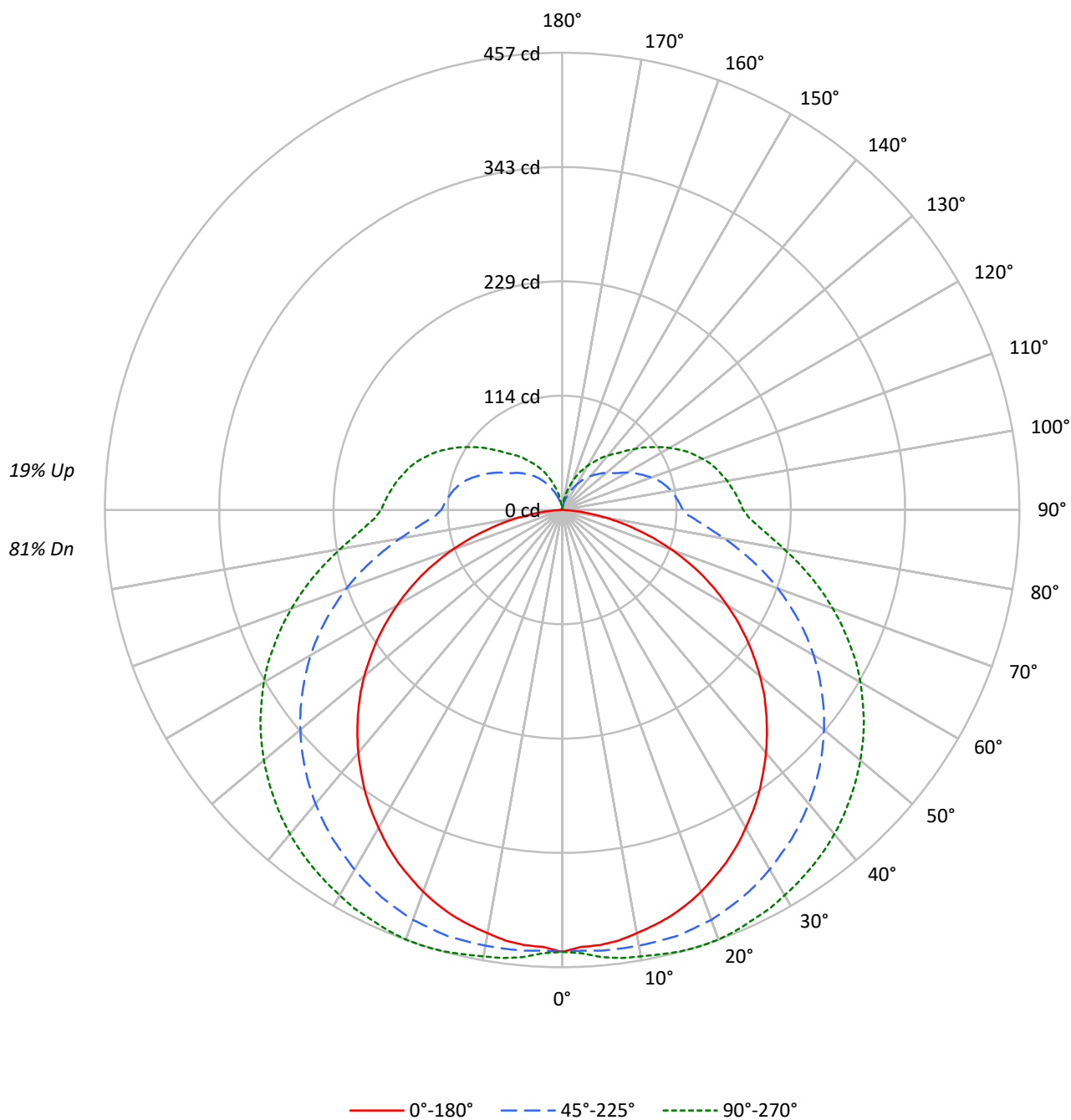
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2158.9 lumens
Efficiency: N/A
Efficacy: 113.0 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°	12522	12522	12522
5°	12376	11823	11739
10°	12273	11265	11088
15°	12187	10805	10576
20°	12059	10367	10106
25°	11905	9937	9638
30°	11712	9526	9231
35°	11531	9138	8863
40°	11308	8762	8518
45°	11076	8391	8169
50°	10812	8015	7832
55°	10468	7624	7497
60°	10025	7226	7145
65°	9493	6767	6762
70°	8643	6284	6367
75°	7431	5737	5946
80°	5776	5177	5512
85°	3148	4731	5183

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11076 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	2.0
10°-20°	124.6	5.8
20°-30°	196.0	9.1
30°-40°	248.2	11.5
40°-50°	276.1	12.8
50°-60°	276.1	12.8
60°-70°	247.9	11.5
70°-80°	195.8	9.1
80°-90°	138.2	6.4
90°-100°	113.4	5.3
100°-110°	98.0	4.5
110°-120°	76.9	3.6
120°-130°	54.5	2.5
130°-140°	35.9	1.7
140°-150°	21.7	1.0
150°-160°	10.2	0.5
160°-170°	2.9	0.1
170°-180°	0.3	0.0
0°-30°	363.0	16.8
0°-40°	611.2	28.3
0°-60°	1163.3	53.9
0°-90°	1745.2	80.8
90°-120°	288.3	13.4
90°-150°	400.3	18.5
90°-180°	414.0	19.2
0°-180°	2158.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	442	442	442	442	442	
5°	436	446	442	443	448	41
15°	420	435	441	450	457	118
25°	388	410	427	442	452	179
35°	344	372	400	423	435	215
45°	288	325	364	394	407	223
55°	225	269	317	352	368	201
65°	155	204	261	301	317	153
75°	79	135	197	240	257	84
85°	15	73	137	182	198	18
90°	1	57	121	165	181	1
95°	0	54	116	159	175	0
105°	1	43	104	145	159	0
115°	1	33	85	123	138	1
125°	1	25	64	97	109	1
135°	1	20	51	72	81	0
145°	1	15	37	54	61	0
155°	1	8	22	35	41	1
165°	1	4	9	15	20	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°	441.6	441.6	441.6	441.6	441.6
2.5°	437.1	446.0	440.9	441.6	443.5
5°	436.5	446.0	442.2	442.8	448.5
7.5°	434.0	444.1	442.2	445.4	451.7
10°	429.6	442.2	442.2	447.3	453.0
12.5°	425.1	438.4	441.6	447.9	454.9
15°	420.1	434.6	440.9	449.8	456.8
17.5°	413.7	430.2	438.4	449.2	457.4
20°	406.1	423.9	435.9	447.3	456.8
22.5°	397.3	417.5	431.5	445.4	454.9
25°	388.4	409.9	427.0	442.2	451.7
27.5°	378.3	401.7	421.3	438.4	449.2
30°	366.9	392.2	415.0	434.0	444.7
32.5°	355.5	382.7	407.4	428.9	440.3
35°	343.5	372.0	400.5	423.2	435.3
37.5°	330.2	361.2	392.2	416.9	429.6
40°	316.9	349.8	383.4	409.9	423.2
42.5°	303.0	337.2	373.9	401.7	415.6
45°	288.5	325.2	363.8	393.5	407.4
47.5°	273.9	311.9	353.0	384.0	398.6
50°	258.1	298.0	341.6	373.9	389.1
52.5°	241.7	284.1	329.6	363.8	378.9
55°	225.2	268.9	316.9	352.4	368.2
57.5°	208.1	253.1	303.7	340.4	356.2
60°	190.4	237.2	290.4	327.7	344.2
62.5°	172.7	221.4	275.8	314.4	331.5
65°	155.0	204.3	260.6	301.1	316.9
67.5°	136.0	187.9	244.8	286.6	303.0
70°	117.0	170.2	229.6	271.4	287.8
72.5°	98.1	152.5	213.2	256.2	272.7
75°	79.1	135.4	196.7	240.4	256.8
77.5°	62.0	118.3	180.3	224.6	241.0
80°	44.3	101.9	164.5	209.4	225.2
82.5°	27.8	86.0	149.9	194.9	210.7
85°	14.6	72.8	137.3	182.2	198.0
87.5°	4.4	62.6	126.5	171.4	187.3
90°	0.6	56.9	120.8	165.1	180.9
92.5°	0.0	55.0	118.3	162.0	177.8
95°	0.0	53.8	115.8	159.4	174.6
97.5°	0.0	51.9	113.2	156.3	170.8
100°	0.0	49.3	110.7	152.5	167.6
102.5°	0.0	46.2	107.5	148.7	163.2
105°	0.6	43.0	103.8	144.9	159.4
107.5°	0.6	39.2	100.0	140.4	155.0
110°	0.6	36.1	94.9	134.8	149.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	34.2	89.8	129.1	143.6
115°	0.6	32.9	84.8	123.4	137.9
117.5°	0.6	31.0	79.7	117.0	131.0
120°	0.6	29.1	74.7	110.1	124.0
122.5°	0.6	26.6	69.0	103.8	117.0
125°	0.6	25.3	63.9	96.8	109.4
127.5°	0.6	24.0	60.7	89.8	102.5
130°	0.6	22.8	57.6	82.9	94.9
132.5°	0.6	21.5	54.4	76.5	87.9
135°	0.6	20.2	50.6	72.1	81.0
137.5°	0.6	19.0	47.4	67.7	75.9
140°	0.6	17.7	44.3	63.3	70.9
142.5°	0.6	16.4	41.1	58.8	66.4
145°	0.6	14.6	37.3	54.4	60.7
147.5°	0.6	12.7	33.5	50.0	55.7
150°	0.6	11.4	29.7	45.5	51.2
152.5°	1.3	10.1	25.9	41.1	46.2
155°	1.3	8.2	22.1	35.4	41.1
157.5°	1.3	7.0	18.3	29.7	36.1
160°	1.3	5.7	15.2	24.0	30.4
162.5°	1.3	4.4	12.0	19.0	25.3
165°	1.3	3.8	8.9	14.6	20.2
167.5°	1.3	3.2	7.0	10.1	15.8
170°	1.3	2.5	5.1	7.0	10.8
172.5°	1.3	1.9	3.2	4.4	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	15.8	17.2	16.4	17.8	18.6	19.8	21.2	20.5	21.8	22.6
	3H	17.2	18.4	17.8	19.1	19.9	22.6	23.8	23.2	24.5	25.3
	4H	17.6	18.8	18.2	19.4	20.2	24.0	25.1	24.6	25.8	26.6
	6H	17.8	18.9	18.5	19.6	20.4	25.4	26.5	26.0	27.1	28.0
	8H	17.8	18.9	18.5	19.6	20.4	26.1	27.1	26.8	27.8	28.7
	12H	17.8	18.8	18.5	19.5	20.4	26.9	27.9	27.6	28.6	29.4
4H	2H	17.1	18.2	17.7	18.9	19.7	20.1	21.3	20.8	22.0	22.8
	3H	18.7	19.7	19.4	20.4	21.2	23.1	24.1	23.8	24.8	25.6
	4H	19.3	20.2	19.9	20.9	21.7	24.6	25.5	25.3	26.2	27.1
	6H	19.6	20.4	20.3	21.2	22.0	26.2	27.0	26.9	27.7	28.6
	8H	19.7	20.4	20.4	21.2	22.0	27.0	27.8	27.7	28.5	29.4
	12H	19.7	20.4	20.4	21.2	22.0	27.9	28.6	28.6	29.4	30.2
8H	4H	20.2	21.0	20.9	21.7	22.6	24.7	25.5	25.5	26.2	27.1
	6H	20.8	21.4	21.5	22.2	23.1	26.5	27.1	27.2	27.9	28.7
	8H	20.9	21.5	21.7	22.3	23.2	27.4	28.0	28.1	28.8	29.6
	12H	21.1	21.6	21.8	22.3	23.3	28.5	29.0	29.2	29.8	30.7
12H	4H	20.5	21.2	21.2	21.9	22.8	24.7	25.4	25.5	26.2	27.1
	6H	21.2	21.8	21.9	22.5	23.4	26.5	27.1	27.2	27.8	28.7
	8H	21.5	22.0	22.2	22.7	23.7	27.5	28.0	28.2	28.8	29.7

(END OF REPORT)