

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: P1500546

Luminaire Tested: 3CSSV-S3C59-BN-HI-5000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500546
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-HI-5000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 3000 Lumen 5000K

Light Source:
Ballast/Driver: -

Summary

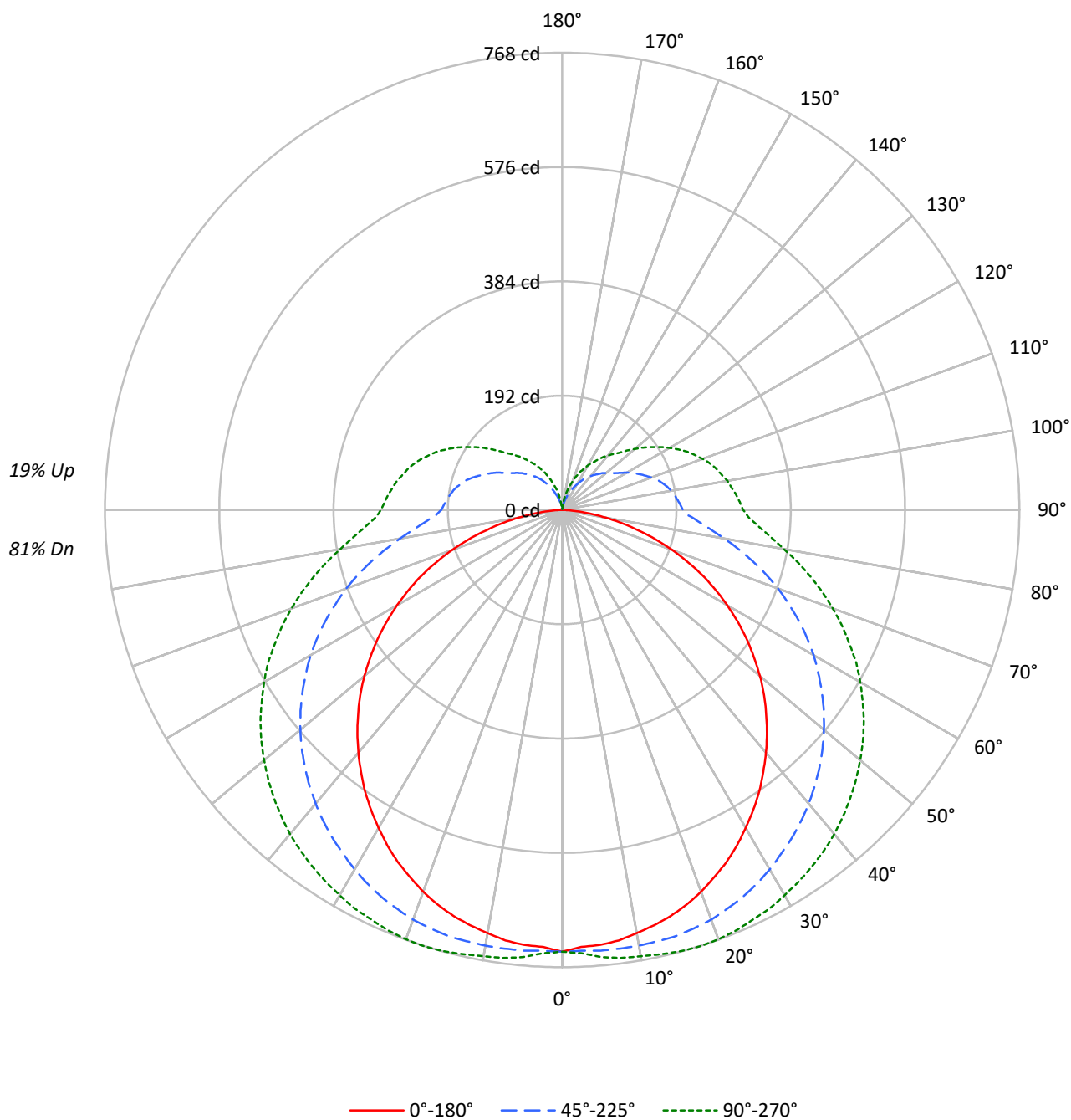
Lumens per Lamp: N/A
Luminaire Lumens: 3627.3 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 34.8
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	114	114	114	114	110	110	110	110		100	100	100		92	92	92		84	84	84
1	102	96	91	86	97	92	87	83		84	80	77		77	74	71		70	68	66
2	91	82	74	68	87	79	72	66		72	66	61		66	61	57		60	56	53
3	83	71	62	55	78	68	60	53		62	56	50		57	51	47		52	47	44
4	75	62	53	46	71	60	51	45		55	48	42		50	44	39		46	41	37
5	69	55	46	39	65	53	44	38		49	41	36		45	38	34		41	36	31
6	63	50	40	34	60	48	39	33		44	36	31		40	34	29		37	32	27
7	59	45	36	29	56	43	34	28		40	32	27		36	30	25		34	28	24
8	54	41	32	26	52	39	31	25		36	29	24		33	27	23		31	25	21
9	51	37	29	23	48	36	28	22		33	26	21		31	25	20		28	23	19
10	47	34	26	21	45	33	25	20		30	24	19		28	22	18		26	21	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21037	21037	21037
5°	20795	19865	19725
10°	20618	18928	18630
15°	20475	18157	17767
20°	20264	17418	16978
25°	20003	16698	16193
30°	19680	16006	15510
35°	19376	15351	14889
40°	19001	14720	14313
45°	18609	14098	13725
50°	18168	13467	13157
55°	17589	12812	12595
60°	16843	12140	12002
65°	15949	11371	11362
70°	14523	10559	10699
75°	12486	9642	9990
80°	9700	8699	9262
85°	5261	7949	8708

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	2.0
10°-20°	209.4	5.8
20°-30°	329.4	9.1
30°-40°	417.1	11.5
40°-50°	463.8	12.8
50°-60°	463.8	12.8
60°-70°	416.6	11.5
70°-80°	328.9	9.1
80°-90°	232.2	6.4
90°-100°	190.5	5.3
100°-110°	164.7	4.5
110°-120°	129.1	3.6
120°-130°	91.5	2.5
130°-140°	60.3	1.7
140°-150°	36.4	1.0
150°-160°	17.2	0.5
160°-170°	4.9	0.1
170°-180°	0.4	0.0
0°-30°	609.9	16.8
0°-40°	1026.9	28.3
0°-60°	1954.6	53.9
0°-90°	2932.2	80.8
90°-120°	484.3	13.4
90°-150°	672.5	18.5
90°-180°	695.0	19.2
0°-180°	3627.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	742	742	742	742	742	
5°	733	749	743	744	754	70
15°	706	730	741	756	767	199
25°	653	689	718	743	759	301
35°	577	625	673	711	731	361
45°	485	546	611	661	684	374
55°	378	452	532	592	619	338
65°	260	343	438	506	532	257
75°	133	228	331	404	432	142
85°	24	122	231	306	333	30
90°	1	96	203	277	304	1
95°	0	90	194	268	293	0
105°	1	72	174	243	268	1
115°	1	55	142	207	232	1
125°	1	42	107	163	184	1
135°	1	34	85	121	136	1
145°	1	24	63	91	102	1
155°	2	14	37	60	69	1
165°	2	6	15	24	34	1
175°	2	2	3	3	2	0
180°	1	1	1	1	1	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	741.9	741.9	741.9	741.9	741.9
2.5°	734.5	749.4	740.9	741.9	745.1
5°	733.4	749.4	743.0	744.0	753.6
7.5°	729.2	746.2	743.0	748.3	758.9
10°	721.7	743.0	743.0	751.5	761.1
12.5°	714.3	736.6	741.9	752.5	764.2
15°	705.8	730.2	740.9	755.7	767.4
17.5°	695.2	722.8	736.6	754.7	768.5
20°	682.4	712.2	732.4	751.5	767.4
22.5°	667.5	701.5	724.9	748.3	764.2
25°	652.6	688.8	717.5	743.0	758.9
27.5°	635.6	675.0	707.9	736.6	754.7
30°	616.5	659.0	697.3	729.2	747.2
32.5°	597.4	643.1	684.5	720.7	739.8
35°	577.2	625.0	672.8	711.1	731.3
37.5°	554.8	606.9	659.0	700.5	721.7
40°	532.5	587.8	644.1	688.8	711.1
42.5°	509.1	566.5	628.2	675.0	698.3
45°	484.7	546.3	611.2	661.1	684.5
47.5°	460.2	524.0	593.1	645.2	669.6
50°	433.7	500.6	574.0	628.2	653.7
52.5°	406.0	477.3	553.8	611.2	636.7
55°	378.4	451.7	532.5	592.0	618.6
57.5°	349.7	425.2	510.2	571.9	598.4
60°	319.9	398.6	487.9	550.6	578.2
62.5°	290.2	372.0	463.4	528.3	557.0
65°	260.4	343.3	437.9	506.0	532.5
67.5°	228.5	315.7	411.4	481.5	509.1
70°	196.6	285.9	385.8	456.0	483.6
72.5°	164.8	256.2	358.2	430.5	458.1
75°	132.9	227.5	330.6	403.9	431.5
77.5°	104.2	198.8	302.9	377.3	405.0
80°	74.4	171.1	276.4	351.8	378.4
82.5°	46.8	144.6	251.9	327.4	354.0
85°	24.4	122.2	230.7	306.1	332.7
87.5°	7.4	105.2	212.6	288.1	314.6
90°	1.1	95.7	203.0	277.4	304.0
92.5°	0.0	92.5	198.8	272.1	298.7
95°	0.0	90.3	194.5	267.9	293.4
97.5°	0.0	87.2	190.3	262.5	287.0
100°	0.0	82.9	186.0	256.2	281.7
102.5°	0.0	77.6	180.7	249.8	274.2
105°	1.1	72.3	174.3	243.4	267.9
107.5°	1.1	65.9	167.9	236.0	260.4
110°	1.1	60.6	159.4	226.4	250.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	57.4	150.9	216.8	241.3
115°	1.1	55.3	142.4	207.3	231.7
117.5°	1.1	52.1	133.9	196.6	220.0
120°	1.1	48.9	125.4	184.9	208.3
122.5°	1.1	44.6	115.9	174.3	196.6
125°	1.1	42.5	107.4	162.6	183.9
127.5°	1.1	40.4	102.0	150.9	172.2
130°	1.1	38.3	96.7	139.2	159.4
132.5°	1.1	36.1	91.4	128.6	147.7
135°	1.1	34.0	85.0	121.2	136.1
137.5°	1.1	31.9	79.7	113.7	127.6
140°	1.1	29.8	74.4	106.3	119.0
142.5°	1.1	27.6	69.1	98.9	111.6
145°	1.1	24.4	62.7	91.4	102.0
147.5°	1.1	21.3	56.3	84.0	93.5
150°	1.1	19.1	50.0	76.5	86.1
152.5°	2.1	17.0	43.6	69.1	77.6
155°	2.1	13.8	37.2	59.5	69.1
157.5°	2.1	11.7	30.8	50.0	60.6
160°	2.1	9.6	25.5	40.4	51.0
162.5°	2.1	7.4	20.2	31.9	42.5
165°	2.1	6.4	14.9	24.4	34.0
167.5°	2.1	5.3	11.7	17.0	26.6
170°	2.1	4.3	8.5	11.7	18.1
172.5°	2.1	3.2	5.3	7.4	5.3
175°	2.1	2.1	3.2	3.2	2.1
177.5°	2.1	2.1	2.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1

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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	17.6	19.0	18.2	19.6	20.4	21.6	23.0	22.3	23.6	24.4
	3H	19.0	20.2	19.6	20.9	21.7	24.4	25.6	25.0	26.3	27.1
	4H	19.4	20.6	20.1	21.2	22.0	25.8	26.9	26.4	27.6	28.4
	6H	19.6	20.7	20.3	21.4	22.2	27.2	28.3	27.8	28.9	29.8
	8H	19.6	20.7	20.3	21.4	22.2	27.9	28.9	28.6	29.7	30.5
	12H	19.6	20.6	20.3	21.3	22.2	28.7	29.7	29.4	30.4	31.2
4H	2H	18.9	20.0	19.5	20.7	21.5	21.9	23.1	22.6	23.8	24.6
	3H	20.5	21.5	21.2	22.2	23.0	24.9	25.9	25.6	26.6	27.4
	4H	21.1	22.0	21.7	22.7	23.5	26.4	27.3	27.1	28.0	28.9
	6H	21.4	22.2	22.1	23.0	23.8	28.0	28.8	28.7	29.5	30.4
	8H	21.5	22.3	22.2	23.0	23.8	28.8	29.6	29.5	30.3	31.2
	12H	21.5	22.2	22.2	23.0	23.8	29.7	30.4	30.5	31.2	32.0
8H	4H	22.0	22.8	22.7	23.5	24.4	26.5	27.3	27.3	28.0	28.9
	6H	22.6	23.2	23.3	24.0	24.9	28.3	28.9	29.0	29.7	30.6
	8H	22.8	23.3	23.5	24.1	25.0	29.2	29.8	29.9	30.6	31.4
	12H	22.9	23.4	23.6	24.2	25.1	30.3	30.8	31.0	31.6	32.5
12H	4H	22.3	23.0	23.0	23.7	24.6	26.5	27.2	27.3	28.0	28.9
	6H	23.0	23.6	23.7	24.3	25.2	28.3	28.9	29.0	29.6	30.5
	8H	23.3	23.8	24.0	24.6	25.5	29.3	29.8	30.0	30.6	31.5



(END OF REPORT)