

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: P1500531

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

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500531
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-MB-HI-5000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 3000 Lumen 5000K

Light Source:
Ballast/Driver: -

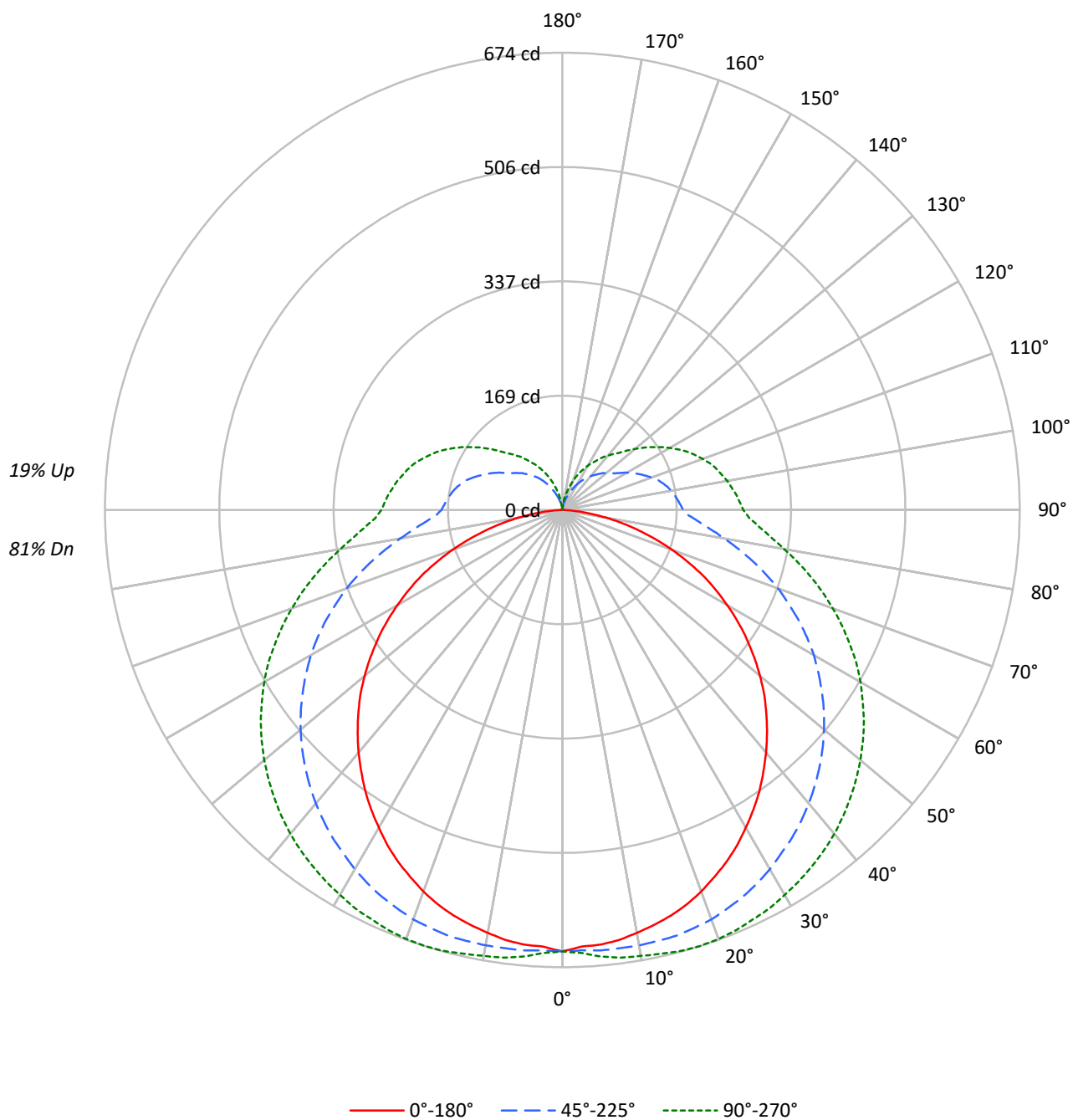
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3181.1 lumens
Efficiency: N/A
Efficacy: 93.8 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): 33.9
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°	18451	18451	18451
5°	18237	17422	17299
10°	18081	16600	16336
15°	17957	15922	15582
20°	17772	15275	14889
25°	17545	14643	14202
30°	17260	14037	13603
35°	16993	13464	13057
40°	16664	12910	12551
45°	16320	12363	12036
50°	15931	11811	11539
55°	15427	11236	11045
60°	14774	10647	10526
65°	13989	9974	9965
70°	12743	9262	9383
75°	10945	8455	8763
80°	8514	7629	8124
85°	4614	6971	7638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16320 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	2.0
10°-20°	183.6	5.8
20°-30°	288.9	9.1
30°-40°	365.7	11.5
40°-50°	406.8	12.8
50°-60°	406.8	12.8
60°-70°	365.3	11.5
70°-80°	288.5	9.1
80°-90°	203.6	6.4
90°-100°	167.0	5.3
100°-110°	144.4	4.5
110°-120°	113.3	3.6
120°-130°	80.3	2.5
130°-140°	52.9	1.7
140°-150°	31.9	1.0
150°-160°	15.1	0.5
160°-170°	4.3	0.1
170°-180°	0.4	0.0
0°-30°	534.8	16.8
0°-40°	900.6	28.3
0°-60°	1714.1	53.9
0°-90°	2571.5	80.8
90°-120°	424.7	13.4
90°-150°	589.8	18.5
90°-180°	610.0	19.2
0°-180°	3181.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	651	651	651	651	651	
5°	643	657	652	652	661	61
15°	619	640	650	663	673	175
25°	572	604	629	652	666	264
35°	506	548	590	624	641	316
45°	425	479	536	580	600	328
55°	332	396	467	519	542	296
65°	228	301	384	444	467	225
75°	116	200	290	354	378	124
85°	21	107	202	268	292	27
90°	1	84	178	243	267	1
95°	0	79	171	235	257	0
105°	1	63	153	214	235	1
115°	1	48	125	182	203	1
125°	1	37	94	143	161	1
135°	1	30	75	106	119	1
145°	1	21	55	80	90	1
155°	2	12	33	52	61	1
165°	2	6	13	21	30	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°	650.7	650.7	650.7	650.7	650.7
2.5°	644.1	657.2	649.7	650.7	653.5
5°	643.2	657.2	651.6	652.5	660.9
7.5°	639.5	654.4	651.6	656.2	665.6
10°	632.9	651.6	651.6	659.0	667.4
12.5°	626.4	646.0	650.7	660.0	670.2
15°	619.0	640.4	649.7	662.8	673.0
17.5°	609.6	633.9	646.0	661.8	674.0
20°	598.5	624.6	642.3	659.0	673.0
22.5°	585.4	615.2	635.7	656.2	670.2
25°	572.4	604.0	629.2	651.6	665.6
27.5°	557.4	591.9	620.8	646.0	661.8
30°	540.7	577.9	611.5	639.5	655.3
32.5°	523.9	564.0	600.3	632.0	648.8
35°	506.2	548.1	590.1	623.6	641.3
37.5°	486.6	532.3	577.9	614.3	632.9
40°	467.0	515.5	564.9	604.0	623.6
42.5°	446.5	496.8	550.9	591.9	612.4
45°	425.1	479.1	536.0	579.8	600.3
47.5°	403.6	459.6	520.2	565.8	587.3
50°	380.3	439.1	503.4	550.9	573.3
52.5°	356.1	418.5	485.7	536.0	558.4
55°	331.9	396.2	467.0	519.2	542.5
57.5°	306.7	372.9	447.4	501.5	524.8
60°	280.6	349.6	427.9	482.9	507.1
62.5°	254.5	326.3	406.4	463.3	488.5
65°	228.4	301.1	384.1	443.7	467.0
67.5°	200.4	276.9	360.8	422.3	446.5
70°	172.5	250.8	338.4	399.9	424.1
72.5°	144.5	224.7	314.1	377.5	401.8
75°	116.5	199.5	289.9	354.2	378.5
77.5°	91.4	174.3	265.7	330.9	355.2
80°	65.3	150.1	242.4	308.5	331.9
82.5°	41.0	126.8	220.9	287.1	310.4
85°	21.4	107.2	202.3	268.5	291.8
87.5°	6.5	92.3	186.4	252.6	275.9
90°	0.9	83.9	178.0	243.3	266.6
92.5°	0.0	81.1	174.3	238.6	261.9
95°	0.0	79.2	170.6	234.9	257.3
97.5°	0.0	76.4	166.9	230.2	251.7
100°	0.0	72.7	163.1	224.7	247.0
102.5°	0.0	68.0	158.5	219.1	240.5
105°	0.9	63.4	152.9	213.5	234.9
107.5°	0.9	57.8	147.3	206.9	228.4
110°	0.9	53.1	139.8	198.6	220.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	50.3	132.4	190.2	211.6
115°	0.9	48.5	124.9	181.8	203.2
117.5°	0.9	45.7	117.5	172.5	193.0
120°	0.9	42.9	110.0	162.2	182.7
122.5°	0.9	39.2	101.6	152.9	172.5
125°	0.9	37.3	94.1	142.6	161.3
127.5°	0.9	35.4	89.5	132.4	151.0
130°	0.9	33.6	84.8	122.1	139.8
132.5°	0.9	31.7	80.2	112.8	129.6
135°	0.9	29.8	74.6	106.3	119.3
137.5°	0.9	28.0	69.9	99.7	111.9
140°	0.9	26.1	65.3	93.2	104.4
142.5°	0.9	24.2	60.6	86.7	97.9
145°	0.9	21.4	55.0	80.2	89.5
147.5°	0.9	18.6	49.4	73.6	82.0
150°	0.9	16.8	43.8	67.1	75.5
152.5°	1.9	14.9	38.2	60.6	68.0
155°	1.9	12.1	32.6	52.2	60.6
157.5°	1.9	10.3	27.0	43.8	53.1
160°	1.9	8.4	22.4	35.4	44.7
162.5°	1.9	6.5	17.7	28.0	37.3
165°	1.9	5.6	13.1	21.4	29.8
167.5°	1.9	4.7	10.3	14.9	23.3
170°	1.9	3.7	7.5	10.3	15.8
172.5°	1.9	2.8	4.7	6.5	4.7
175°	1.9	1.9	2.8	2.8	1.9
177.5°	1.9	1.9	1.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9

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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	17.2	18.5	17.8	19.2	19.9	21.2	22.5	21.8	23.2	23.9
	3H	18.5	19.8	19.2	20.4	21.2	24.0	25.2	24.6	25.8	26.6
	4H	18.9	20.1	19.6	20.8	21.6	25.3	26.5	26.0	27.2	27.9
	6H	19.2	20.3	19.8	20.9	21.7	26.7	27.8	27.4	28.5	29.3
	8H	19.2	20.2	19.9	20.9	21.8	27.4	28.5	28.1	29.2	30.0
	12H	19.2	20.2	19.9	20.9	21.7	28.2	29.2	28.9	29.9	30.8
4H	2H	18.4	19.6	19.1	20.3	21.1	21.5	22.7	22.1	23.3	24.1
	3H	20.0	21.1	20.7	21.8	22.6	24.4	25.5	25.1	26.2	27.0
	4H	20.6	21.5	21.3	22.2	23.1	26.0	26.9	26.6	27.6	28.4
	6H	20.9	21.8	21.7	22.5	23.4	27.5	28.3	28.2	29.1	29.9
	8H	21.0	21.8	21.7	22.5	23.4	28.3	29.1	29.1	29.9	30.7
	12H	21.0	21.8	21.8	22.5	23.4	29.3	30.0	30.0	30.7	31.6
8H	4H	21.6	22.3	22.3	23.1	23.9	26.1	26.9	26.8	27.6	28.5
	6H	22.1	22.8	22.9	23.6	24.4	27.8	28.5	28.5	29.2	30.1
	8H	22.3	22.9	23.0	23.7	24.5	28.7	29.3	29.5	30.1	31.0
	12H	22.4	22.9	23.2	23.7	24.6	29.8	30.3	30.6	31.1	32.0
12H	4H	21.8	22.5	22.6	23.3	24.2	26.1	26.8	26.8	27.5	28.4
	6H	22.5	23.1	23.3	23.9	24.8	27.8	28.4	28.6	29.2	30.1
	8H	22.8	23.3	23.6	24.1	25.0	28.8	29.3	29.6	30.1	31.0



(END OF REPORT)