

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: P1500530

Luminaire Tested: 3CSSV-S3C59-MB-HI-4000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500530
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-4000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 3000 Lumen 4000K

Light Source:
Ballast/Driver: -

Summary

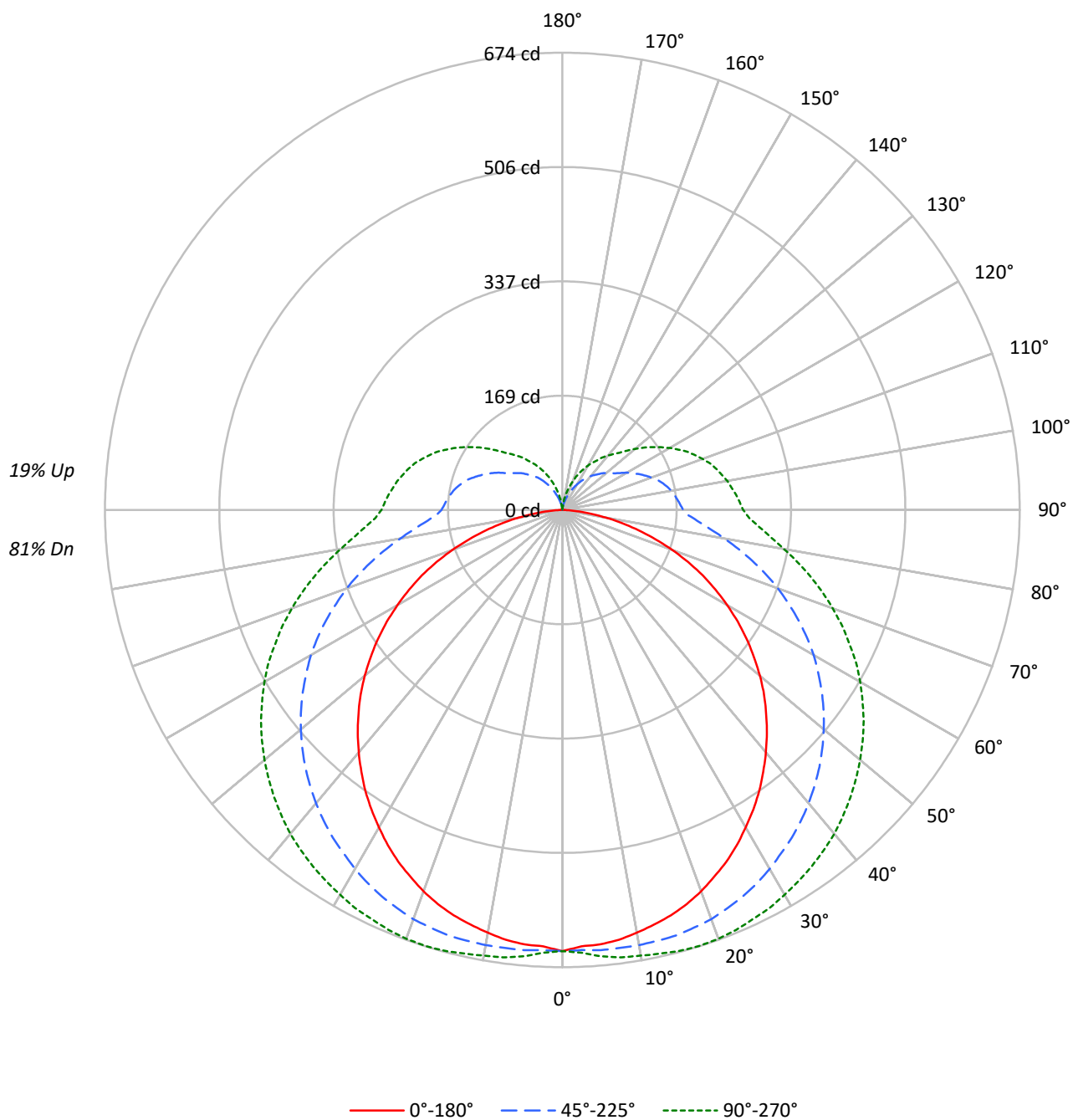
Lumens per Lamp: N/A
Luminaire Lumens: 3179.2 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 34
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				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	48	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°	18440	18440	18440
5°	18226	17411	17288
10°	18073	16590	16326
15°	17946	15912	15572
20°	17760	15266	14880
25°	17532	14634	14194
30°	17248	14027	13594
35°	16983	13455	13051
40°	16653	12903	12545
45°	16309	12356	12030
50°	15923	11804	11531
55°	15418	11228	11039
60°	14764	10639	10520
65°	13977	9966	9958
70°	12728	9256	9378
75°	10945	8449	8756
80°	8501	7622	8119
85°	4614	6967	7632

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16309 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	2.0
10°-20°	183.5	5.8
20°-30°	288.7	9.1
30°-40°	365.5	11.5
40°-50°	406.5	12.8
50°-60°	406.5	12.8
60°-70°	365.1	11.5
70°-80°	288.3	9.1
80°-90°	203.5	6.4
90°-100°	166.9	5.3
100°-110°	144.3	4.5
110°-120°	113.2	3.6
120°-130°	80.2	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°	534.5	16.8
0°-40°	900.1	28.3
0°-60°	1713.1	53.9
0°-90°	2570.0	80.8
90°-120°	424.5	13.4
90°-150°	589.4	18.5
90°-180°	609.0	19.2
0°-180°	3179.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	650	650	650	650	650	
5°	643	657	651	652	660	61
15°	619	640	649	662	673	174
25°	572	604	629	651	665	263
35°	506	548	590	623	641	316
45°	425	479	536	580	600	328
55°	332	396	467	519	542	296
65°	228	301	384	443	467	225
75°	116	199	290	354	378	124
85°	21	107	202	268	292	27
90°	1	84	178	243	266	1
95°	0	79	170	235	257	0
105°	1	63	153	213	235	1
115°	1	48	125	182	203	1
125°	1	37	94	142	161	1
135°	1	30	74	106	119	1
145°	1	21	55	80	89	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°	650.3	650.3	650.3	650.3	650.3
2.5°	643.7	656.8	649.3	650.3	653.1
5°	642.8	656.8	651.2	652.1	660.5
7.5°	639.1	654.0	651.2	655.9	665.2
10°	632.6	651.2	651.2	658.7	667.0
12.5°	626.0	645.6	650.3	659.6	669.8
15°	618.6	640.0	649.3	662.4	672.6
17.5°	609.3	633.5	645.6	661.4	673.6
20°	598.1	624.2	641.9	658.7	672.6
22.5°	585.1	614.9	635.4	655.9	669.8
25°	572.0	603.7	628.8	651.2	665.2
27.5°	557.1	591.6	620.5	645.6	661.4
30°	540.3	577.6	611.1	639.1	654.9
32.5°	523.6	563.6	600.0	631.6	648.4
35°	505.9	547.8	589.7	623.3	641.0
37.5°	486.3	532.0	577.6	613.9	632.6
40°	466.7	515.2	564.6	603.7	623.3
42.5°	446.2	496.6	550.6	591.6	612.1
45°	424.8	478.8	535.7	579.5	600.0
47.5°	403.4	459.3	519.8	565.5	586.9
50°	380.1	438.8	503.1	550.6	572.9
52.5°	355.9	418.3	485.4	535.7	558.0
55°	331.7	395.9	466.7	518.9	542.2
57.5°	306.5	372.6	447.2	501.2	524.5
60°	280.4	349.4	427.6	482.6	506.8
62.5°	254.3	326.1	406.2	463.0	488.2
65°	228.2	300.9	383.8	443.4	466.7
67.5°	200.3	276.7	360.5	422.0	446.2
70°	172.3	250.6	338.2	399.7	423.9
72.5°	144.4	224.5	314.0	377.3	401.5
75°	116.5	199.4	289.7	354.0	378.2
77.5°	91.3	174.2	265.5	330.7	354.9
80°	65.2	150.0	242.2	308.4	331.7
82.5°	41.0	126.7	220.8	286.9	310.2
85°	21.4	107.1	202.2	268.3	291.6
87.5°	6.5	92.2	186.3	252.5	275.8
90°	0.9	83.8	177.9	243.2	266.4
92.5°	0.0	81.1	174.2	238.5	261.8
95°	0.0	79.2	170.5	234.8	257.1
97.5°	0.0	76.4	166.8	230.1	251.5
100°	0.0	72.7	163.0	224.5	246.9
102.5°	0.0	68.0	158.4	218.9	240.4
105°	0.9	63.3	152.8	213.3	234.8
107.5°	0.9	57.8	147.2	206.8	228.2
110°	0.9	53.1	139.7	198.4	219.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	50.3	132.3	190.0	211.5
115°	0.9	48.4	124.8	181.7	203.1
117.5°	0.9	45.6	117.4	172.3	192.8
120°	0.9	42.9	109.9	162.1	182.6
122.5°	0.9	39.1	101.5	152.8	172.3
125°	0.9	37.3	94.1	142.5	161.2
127.5°	0.9	35.4	89.4	132.3	150.9
130°	0.9	33.5	84.8	122.0	139.7
132.5°	0.9	31.7	80.1	112.7	129.5
135°	0.9	29.8	74.5	106.2	119.2
137.5°	0.9	27.9	69.9	99.7	111.8
140°	0.9	26.1	65.2	93.2	104.3
142.5°	0.9	24.2	60.6	86.6	97.8
145°	0.9	21.4	55.0	80.1	89.4
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	10.2	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	27.9	37.3
165°	1.9	5.6	13.0	21.4	29.8
167.5°	1.9	4.7	10.2	14.9	23.3
170°	1.9	3.7	7.5	10.2	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	21.7	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	21.0	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	23.3	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	23.5	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)