

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: P1500528

Luminaire Tested: 3CSSV-S3C59-MB-HI-3000K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500528
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-3000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 3000 Lumen 3000K

Light Source:
Ballast/Driver: -

Summary

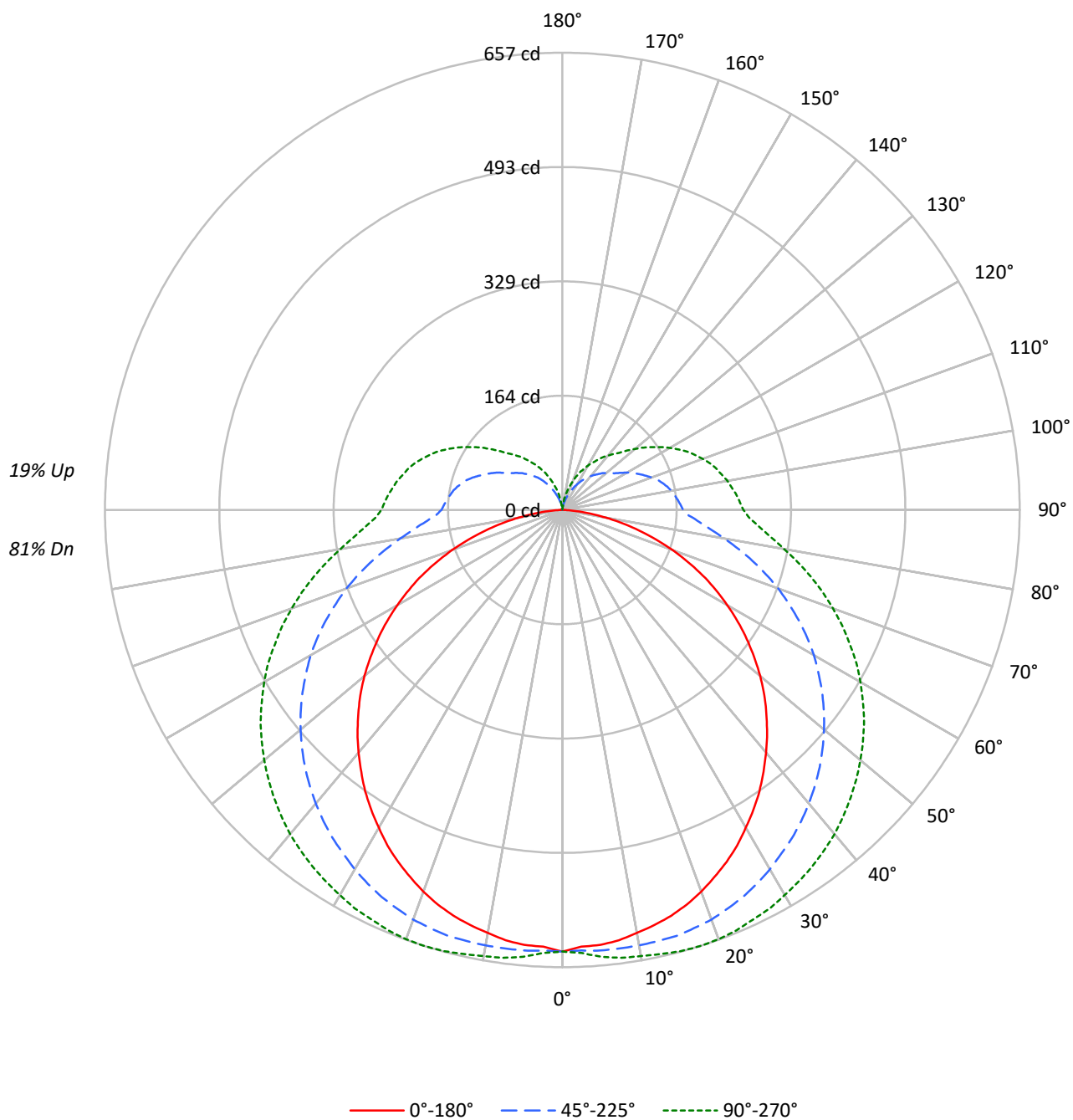
Lumens per Lamp: N/A
Luminaire Lumens: 3102.1 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 34
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°	17992	17992	17992
5°	17784	16988	16869
10°	17633	16187	15932
15°	17511	15527	15195
20°	17330	14895	14520
25°	17106	14280	13848
30°	16829	13688	13264
35°	16570	13129	12733
40°	16250	12590	12239
45°	15914	12056	11738
50°	15538	11518	11251
55°	15041	10957	10772
60°	14406	10381	10265
65°	13640	9725	9717
70°	12425	9032	9150
75°	10673	8245	8546
80°	8292	7437	7921
85°	4507	6798	7447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15914 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	2.0
10°-20°	179.1	5.8
20°-30°	281.7	9.1
30°-40°	356.7	11.5
40°-50°	396.6	12.8
50°-60°	396.7	12.8
60°-70°	356.3	11.5
70°-80°	281.3	9.1
80°-90°	198.5	6.4
90°-100°	162.9	5.3
100°-110°	140.8	4.5
110°-120°	110.5	3.6
120°-130°	78.3	2.5
130°-140°	51.6	1.7
140°-150°	31.1	1.0
150°-160°	14.7	0.5
160°-170°	4.2	0.1
170°-180°	0.4	0.0
0°-30°	521.6	16.8
0°-40°	878.2	28.3
0°-60°	1671.6	53.9
0°-90°	2507.6	80.8
90°-120°	414.2	13.4
90°-150°	575.2	18.5
90°-180°	594.0	19.1
0°-180°	3102.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	627	641	635	636	644	60
15°	604	624	634	646	656	170
25°	558	589	614	635	649	257
35°	494	534	575	608	625	309
45°	414	467	523	565	585	320
55°	324	386	455	506	529	289
65°	223	294	374	433	455	219
75°	114	194	283	345	369	121
85°	21	104	197	262	284	26
90°	1	82	174	237	260	1
95°	0	77	166	229	251	0
105°	1	62	149	208	229	1
115°	1	47	122	177	198	1
125°	1	36	92	139	157	1
135°	1	29	73	104	116	1
145°	1	21	54	78	87	1
155°	2	12	32	51	59	1
165°	2	6	13	21	29	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°	634.5	634.5	634.5	634.5	634.5
2.5°	628.1	640.9	633.6	634.5	637.2
5°	627.2	640.9	635.4	636.3	644.5
7.5°	623.6	638.1	635.4	640.0	649.0
10°	617.2	635.4	635.4	642.7	650.9
12.5°	610.9	630.0	634.5	643.6	653.6
15°	603.6	624.5	633.6	646.3	656.3
17.5°	594.5	618.1	630.0	645.4	657.2
20°	583.6	609.0	626.3	642.7	656.3
22.5°	570.9	600.0	620.0	640.0	653.6
25°	558.1	589.0	613.6	635.4	649.0
27.5°	543.6	577.2	605.4	630.0	645.4
30°	527.2	563.6	596.3	623.6	639.0
32.5°	510.9	550.0	585.4	616.3	632.7
35°	493.6	534.5	575.4	608.1	625.4
37.5°	474.5	519.1	563.6	599.0	617.2
40°	455.4	502.7	550.9	589.0	608.1
42.5°	435.4	484.5	537.2	577.2	597.2
45°	414.5	467.2	522.7	565.4	585.4
47.5°	393.6	448.1	507.2	551.8	572.7
50°	370.9	428.1	490.9	537.2	559.0
52.5°	347.2	408.2	473.6	522.7	544.5
55°	323.6	386.3	455.4	506.3	529.1
57.5°	299.1	363.6	436.3	489.1	511.8
60°	273.6	340.9	417.2	470.9	494.5
62.5°	248.2	318.2	396.3	451.8	476.3
65°	222.7	293.6	374.5	432.7	455.4
67.5°	195.4	270.0	351.8	411.8	435.4
70°	168.2	244.5	330.0	390.0	413.6
72.5°	140.9	219.1	306.3	368.2	391.8
75°	113.6	194.5	282.7	345.4	369.1
77.5°	89.1	170.0	259.1	322.7	346.3
80°	63.6	146.4	236.3	300.9	323.6
82.5°	40.0	123.6	215.4	280.0	302.7
85°	20.9	104.5	197.3	261.8	284.5
87.5°	6.4	90.0	181.8	246.3	269.1
90°	0.9	81.8	173.6	237.3	260.0
92.5°	0.0	79.1	170.0	232.7	255.4
95°	0.0	77.3	166.4	229.1	250.9
97.5°	0.0	74.5	162.7	224.5	245.4
100°	0.0	70.9	159.1	219.1	240.9
102.5°	0.0	66.4	154.5	213.6	234.5
105°	0.9	61.8	149.1	208.2	229.1
107.5°	0.9	56.4	143.6	201.8	222.7
110°	0.9	51.8	136.4	193.6	214.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	49.1	129.1	185.4	206.3
115°	0.9	47.3	121.8	177.3	198.2
117.5°	0.9	44.5	114.5	168.2	188.2
120°	0.9	41.8	107.3	158.2	178.2
122.5°	0.9	38.2	99.1	149.1	168.2
125°	0.9	36.4	91.8	139.1	157.3
127.5°	0.9	34.5	87.3	129.1	147.3
130°	0.9	32.7	82.7	119.1	136.4
132.5°	0.9	30.9	78.2	110.0	126.4
135°	0.9	29.1	72.7	103.6	116.4
137.5°	0.9	27.3	68.2	97.3	109.1
140°	0.9	25.5	63.6	90.9	101.8
142.5°	0.9	23.6	59.1	84.5	95.4
145°	0.9	20.9	53.6	78.2	87.3
147.5°	0.9	18.2	48.2	71.8	80.0
150°	0.9	16.4	42.7	65.4	73.6
152.5°	1.8	14.5	37.3	59.1	66.4
155°	1.8	11.8	31.8	50.9	59.1
157.5°	1.8	10.0	26.4	42.7	51.8
160°	1.8	8.2	21.8	34.5	43.6
162.5°	1.8	6.4	17.3	27.3	36.4
165°	1.8	5.5	12.7	20.9	29.1
167.5°	1.8	4.5	10.0	14.5	22.7
170°	1.8	3.6	7.3	10.0	15.5
172.5°	1.8	2.7	4.5	6.4	4.5
175°	1.8	1.8	2.7	2.7	1.8
177.5°	1.8	1.8	1.8	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	17.1	18.4	17.7	19.1	19.8	21.1	22.4	21.7	23.1	23.8
	3H	18.4	19.7	19.1	20.3	21.1	23.9	25.1	24.5	25.8	26.5
	4H	18.9	20.0	19.5	20.7	21.5	25.2	26.4	25.9	27.1	27.9
	6H	19.1	20.2	19.7	20.8	21.7	26.6	27.7	27.3	28.4	29.2
	8H	19.1	20.2	19.8	20.9	21.7	27.4	28.4	28.0	29.1	29.9
	12H	19.1	20.1	19.8	20.8	21.6	28.2	29.2	28.8	29.9	30.7
4H	2H	18.3	19.5	19.0	20.2	21.0	21.4	22.6	22.1	23.2	24.0
	3H	20.0	21.0	20.6	21.7	22.5	24.4	25.4	25.0	26.1	26.9
	4H	20.5	21.4	21.2	22.2	23.0	25.9	26.8	26.6	27.5	28.3
	6H	20.9	21.7	21.6	22.4	23.3	27.4	28.3	28.1	29.0	29.8
	8H	20.9	21.7	21.6	22.4	23.3	28.3	29.0	29.0	29.8	30.6
	12H	21.0	21.7	21.7	22.4	23.3	29.2	29.9	29.9	30.6	31.5
8H	4H	21.5	22.2	22.2	23.0	23.8	26.0	26.8	26.7	27.5	28.4
	6H	22.0	22.7	22.8	23.5	24.3	27.7	28.4	28.5	29.1	30.0
	8H	22.2	22.8	23.0	23.6	24.5	28.7	29.2	29.4	30.0	30.9
	12H	22.3	22.8	23.1	23.6	24.5	29.7	30.3	30.5	31.0	32.0
12H	4H	21.7	22.4	22.5	23.2	24.1	26.0	26.7	26.7	27.5	28.3
	6H	22.4	23.0	23.2	23.8	24.7	27.7	28.3	28.5	29.1	30.0
	8H	22.7	23.2	23.5	24.0	24.9	28.7	29.3	29.5	30.0	30.9

(END OF REPORT)