

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: P1500536

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

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500536
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-LO-5000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 1800 Lumen 5000K

Light Source:
Ballast/Driver: -

Summary

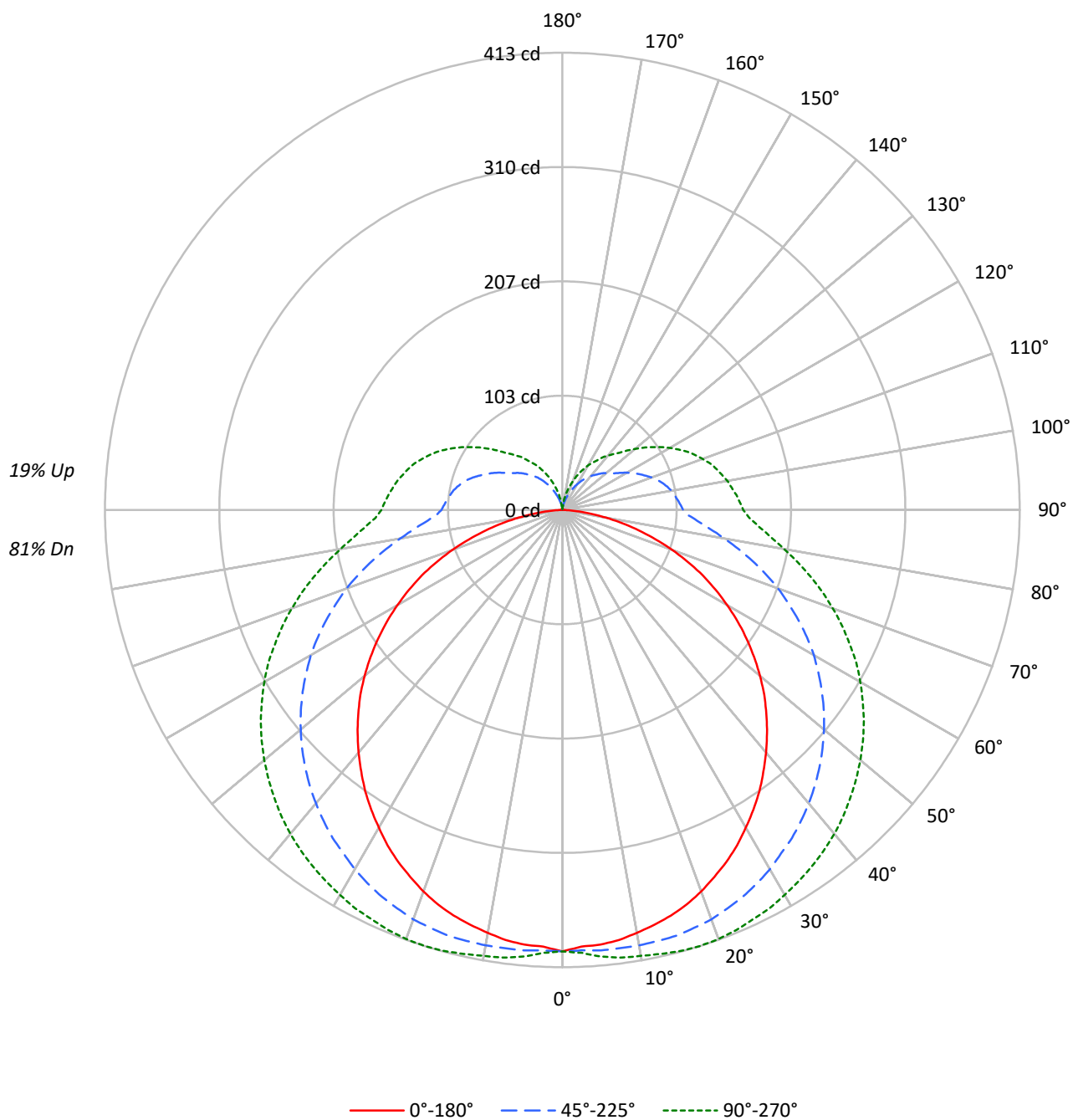
Lumens per Lamp: N/A
Luminaire Lumens: 1949.2 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 18.4
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

TEST NUMBER: P1500536

CATALOG NUMBER: 3CSSV-S3C59-MB-LO-5000K

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°	11306	11306	11306
5°	11174	10676	10601
10°	11079	10172	10011
15°	11004	9756	9548
20°	10889	9358	9124
25°	10749	8971	8701
30°	10576	8601	8334
35°	10413	8250	8001
40°	10212	7909	7691
45°	10001	7575	7375
50°	9761	7236	7071
55°	9450	6886	6768
60°	9051	6524	6450
65°	8569	6110	6107
70°	7808	5674	5750
75°	6708	5180	5369
80°	5215	4673	4976
85°	2825	4269	4680

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10001 cd/sqm

TEST NUMBER: P1500536

CATALOG NUMBER: 3CSSV-S3C59-MB-LO-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	2.0
10°-20°	112.5	5.8
20°-30°	177.0	9.1
30°-40°	224.1	11.5
40°-50°	249.2	12.8
50°-60°	249.3	12.8
60°-70°	223.8	11.5
70°-80°	176.7	9.1
80°-90°	124.7	6.4
90°-100°	102.3	5.3
100°-110°	88.5	4.5
110°-120°	69.4	3.6
120°-130°	49.2	2.5
130°-140°	32.4	1.7
140°-150°	19.6	1.0
150°-160°	9.3	0.5
160°-170°	2.6	0.1
170°-180°	0.2	0.0
0°-30°	327.7	16.8
0°-40°	551.8	28.3
0°-60°	1050.3	53.9
0°-90°	1575.6	80.8
90°-120°	260.3	13.4
90°-150°	361.4	18.5
90°-180°	374.0	19.2
0°-180°	1949.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	399	399	399	399	399	
5°	394	403	399	400	405	37
15°	379	392	398	406	412	107
25°	351	370	386	399	408	162
35°	310	336	362	382	393	194
45°	260	294	328	355	368	201
55°	203	243	286	318	332	182
65°	140	184	235	272	286	138
75°	71	122	178	217	232	76
85°	13	66	124	164	179	16
90°	1	51	109	149	163	1
95°	0	49	104	144	158	0
105°	1	39	94	131	144	0
115°	1	30	76	111	124	1
125°	1	23	58	87	99	1
135°	1	18	46	65	73	0
145°	1	13	34	49	55	0
155°	1	7	20	32	37	0
165°	1	3	8	13	18	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	

TEST NUMBER: P1500536

CATALOG NUMBER: 3CSSV-S3C59-MB-LO-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	398.7	398.7	398.7	398.7	398.7
2.5°	394.7	402.7	398.1	398.7	400.4
5°	394.1	402.7	399.3	399.8	405.0
7.5°	391.8	401.0	399.3	402.1	407.8
10°	387.8	399.3	399.3	403.8	409.0
12.5°	383.8	395.8	398.7	404.4	410.7
15°	379.3	392.4	398.1	406.1	412.4
17.5°	373.6	388.4	395.8	405.5	413.0
20°	366.7	382.7	393.5	403.8	412.4
22.5°	358.7	377.0	389.5	402.1	410.7
25°	350.7	370.1	385.5	399.3	407.8
27.5°	341.6	362.7	380.4	395.8	405.5
30°	331.3	354.1	374.7	391.8	401.5
32.5°	321.0	345.6	367.8	387.3	397.5
35°	310.2	335.9	361.6	382.1	393.0
37.5°	298.2	326.1	354.1	376.4	387.8
40°	286.2	315.9	346.1	370.1	382.1
42.5°	273.6	304.4	337.6	362.7	375.3
45°	260.5	293.6	328.4	355.3	367.8
47.5°	247.3	281.6	318.7	346.7	359.8
50°	233.0	269.0	308.4	337.6	351.3
52.5°	218.2	256.5	297.6	328.4	342.1
55°	203.3	242.8	286.2	318.1	332.4
57.5°	187.9	228.5	274.2	307.3	321.6
60°	171.9	214.2	262.2	295.9	310.7
62.5°	155.9	199.9	249.0	283.9	299.3
65°	139.9	184.5	235.3	271.9	286.2
67.5°	122.8	169.6	221.0	258.7	273.6
70°	105.7	153.6	207.3	245.0	259.9
72.5°	88.5	137.7	192.5	231.3	246.2
75°	71.4	122.2	177.6	217.0	231.9
77.5°	56.0	106.8	162.8	202.8	217.6
80°	40.0	92.0	148.5	189.1	203.3
82.5°	25.1	77.7	135.4	175.9	190.2
85°	13.1	65.7	123.9	164.5	178.8
87.5°	4.0	56.5	114.2	154.8	169.1
90°	0.6	51.4	109.1	149.1	163.4
92.5°	0.0	49.7	106.8	146.2	160.5
95°	0.0	48.6	104.5	143.9	157.6
97.5°	0.0	46.8	102.2	141.1	154.2
100°	0.0	44.6	100.0	137.7	151.4
102.5°	0.0	41.7	97.1	134.2	147.4
105°	0.6	38.8	93.7	130.8	143.9
107.5°	0.6	35.4	90.2	126.8	139.9
110°	0.6	32.6	85.7	121.7	134.8

TEST NUMBER: P1500536

CATALOG NUMBER: 3CSSV-S3C59-MB-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	30.8	81.1	116.5	129.7
115°	0.6	29.7	76.5	111.4	124.5
117.5°	0.6	28.0	72.0	105.7	118.2
120°	0.6	26.3	67.4	99.4	112.0
122.5°	0.6	24.0	62.3	93.7	105.7
125°	0.6	22.8	57.7	87.4	98.8
127.5°	0.6	21.7	54.8	81.1	92.5
130°	0.6	20.6	52.0	74.8	85.7
132.5°	0.6	19.4	49.1	69.1	79.4
135°	0.6	18.3	45.7	65.1	73.1
137.5°	0.6	17.1	42.8	61.1	68.5
140°	0.6	16.0	40.0	57.1	64.0
142.5°	0.6	14.9	37.1	53.1	60.0
145°	0.6	13.1	33.7	49.1	54.8
147.5°	0.6	11.4	30.3	45.1	50.3
150°	0.6	10.3	26.8	41.1	46.3
152.5°	1.1	9.1	23.4	37.1	41.7
155°	1.1	7.4	20.0	32.0	37.1
157.5°	1.1	6.3	16.6	26.8	32.6
160°	1.1	5.1	13.7	21.7	27.4
162.5°	1.1	4.0	10.9	17.1	22.8
165°	1.1	3.4	8.0	13.1	18.3
167.5°	1.1	2.9	6.3	9.1	14.3
170°	1.1	2.3	4.6	6.3	9.7
172.5°	1.1	1.7	2.9	4.0	2.9
175°	1.1	1.1	1.7	1.7	1.1
177.5°	1.1	1.1	1.1	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	15.5	16.8	16.1	17.5	18.2	19.5	20.8	20.1	21.5	22.2
	3H	16.8	18.1	17.5	18.7	19.5	22.3	23.5	22.9	24.1	24.9
	4H	17.2	18.4	17.9	19.1	19.9	23.6	24.8	24.3	25.5	26.2
	6H	17.5	18.6	18.1	19.2	20.0	25.0	26.1	25.7	26.8	27.6
	8H	17.5	18.5	18.2	19.2	20.0	25.7	26.8	26.4	27.5	28.3
	12H	17.5	18.5	18.2	19.2	20.0	26.5	27.5	27.2	28.2	29.1
4H	2H	16.7	17.9	17.4	18.6	19.4	19.8	21.0	20.4	21.6	22.4
	3H	18.3	19.4	19.0	20.1	20.9	22.7	23.8	23.4	24.5	25.3
	4H	18.9	19.8	19.6	20.5	21.4	24.3	25.2	24.9	25.9	26.7
	6H	19.2	20.1	20.0	20.8	21.6	25.8	26.6	26.5	27.4	28.2
	8H	19.3	20.1	20.0	20.8	21.7	26.6	27.4	27.4	28.2	29.0
	12H	19.3	20.1	20.1	20.8	21.7	27.6	28.3	28.3	29.0	29.9
8H	4H	19.9	20.6	20.6	21.4	22.2	24.4	25.2	25.1	25.9	26.8
	6H	20.4	21.1	21.2	21.8	22.7	26.1	26.8	26.8	27.5	28.4
	8H	20.6	21.2	21.3	22.0	22.8	27.0	27.6	27.8	28.4	29.3
	12H	20.7	21.2	21.5	22.0	22.9	28.1	28.6	28.9	29.4	30.3
12H	4H	20.1	20.8	20.9	21.6	22.5	24.4	25.1	25.1	25.8	26.7
	6H	20.8	21.4	21.6	22.2	23.1	26.1	26.7	26.9	27.5	28.4
	8H	21.1	21.6	21.9	22.4	23.3	27.1	27.6	27.9	28.4	29.3

(END OF REPORT)