

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: P1500541

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

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500541
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-MED-5000K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 2400 Lumen 5000K

Light Source:
Ballast/Driver: -

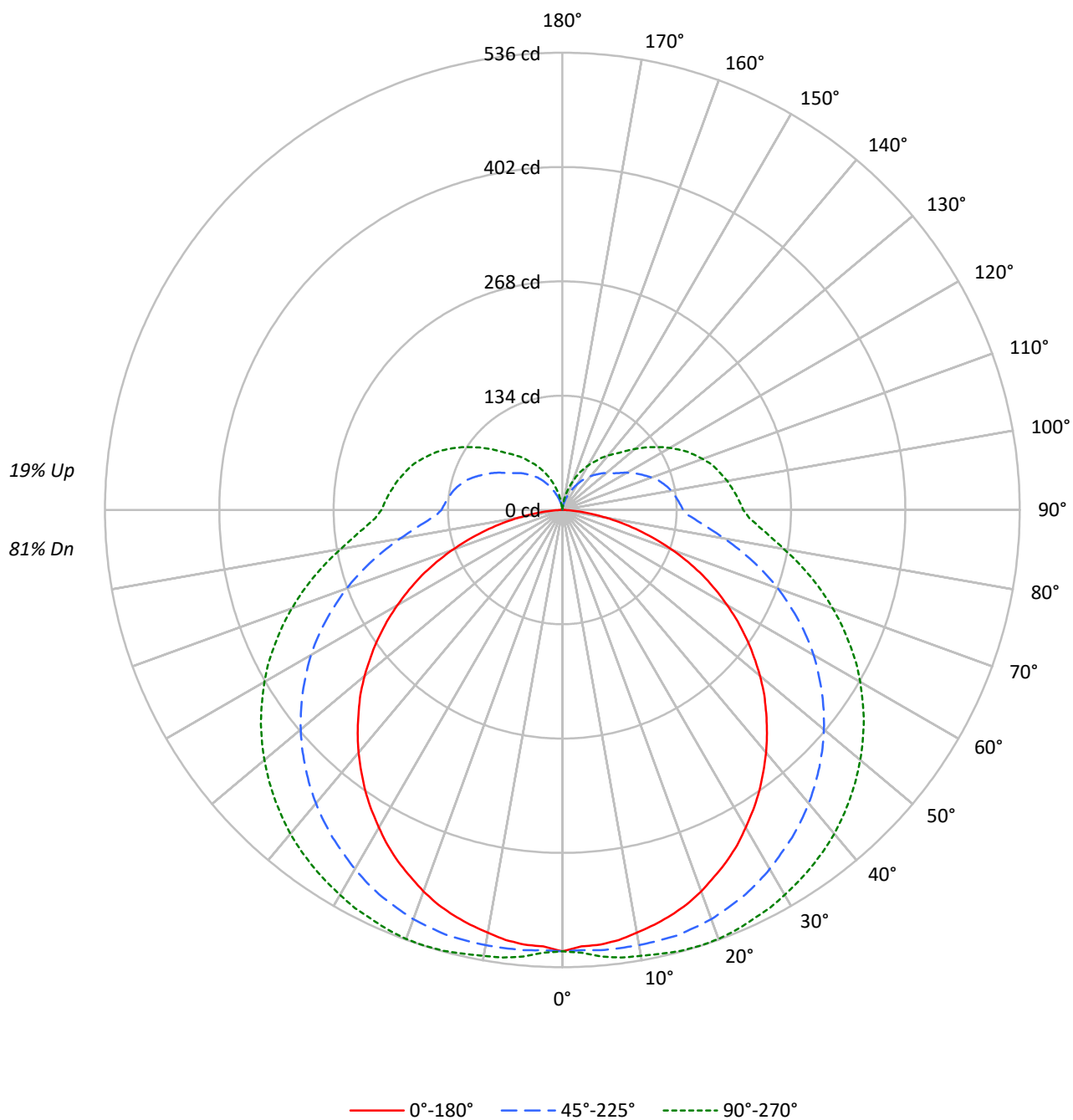
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2529.1 lumens
Efficiency: N/A
Efficacy: 100.4 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): 25.2
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: P1500541
CATALOG NUMBER: 3CSSV-S3C59-MB-MED-5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1500541

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

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°	14669	14669	14669
5°	14500	13850	13752
10°	14376	13196	12988
15°	14276	12660	12389
20°	14129	12143	11838
25°	13946	11643	11292
30°	13720	11160	10815
35°	13508	10703	10382
40°	13249	10263	9979
45°	12973	9828	9570
50°	12668	9390	9174
55°	12262	8933	8781
60°	11747	8465	8370
65°	11123	7928	7923
70°	10128	7362	7460
75°	8700	6723	6967
80°	6767	6064	6457
85°	3666	5541	6072

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12973 cd/sqm

TEST NUMBER: P1500541

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	2.0
10°-20°	146.0	5.8
20°-30°	229.7	9.1
30°-40°	290.8	11.5
40°-50°	323.4	12.8
50°-60°	323.4	12.8
60°-70°	290.4	11.5
70°-80°	229.3	9.1
80°-90°	161.9	6.4
90°-100°	132.8	5.3
100°-110°	114.8	4.5
110°-120°	90.0	3.6
120°-130°	63.8	2.5
130°-140°	42.0	1.7
140°-150°	25.4	1.0
150°-160°	12.0	0.5
160°-170°	3.4	0.1
170°-180°	0.3	0.0
0°-30°	425.2	16.8
0°-40°	716.0	28.3
0°-60°	1362.8	53.9
0°-90°	2044.4	80.8
90°-120°	337.7	13.4
90°-150°	468.9	18.5
90°-180°	485.0	19.2
0°-180°	2529.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	517	517	517	517	517	
5°	511	522	518	519	525	49
15°	492	509	517	527	535	139
25°	455	480	500	518	529	210
35°	402	436	469	496	510	252
45°	338	381	426	461	477	261
55°	264	315	371	413	431	236
65°	182	239	305	353	371	179
75°	93	159	230	282	301	99
85°	17	85	161	213	232	21
90°	1	67	142	193	212	1
95°	0	63	136	187	204	0
105°	1	50	122	170	187	0
115°	1	38	99	144	162	1
125°	1	30	75	113	128	1
135°	1	24	59	84	95	1
145°	1	17	44	64	71	0
155°	2	10	26	42	48	1
165°	2	4	10	17	24	0
175°	2	2	2	2	2	0
180°	1	1	1	1	1	

TEST NUMBER: P1500541

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	517.3	517.3	517.3	517.3	517.3
2.5°	512.1	522.5	516.6	517.3	519.5
5°	511.4	522.5	518.0	518.8	525.4
7.5°	508.4	520.3	518.0	521.7	529.2
10°	503.2	518.0	518.0	524.0	530.6
12.5°	498.0	513.6	517.3	524.7	532.9
15°	492.1	509.1	516.6	526.9	535.1
17.5°	484.7	504.0	513.6	526.2	535.8
20°	475.8	496.5	510.6	524.0	535.1
22.5°	465.4	489.1	505.4	521.7	532.9
25°	455.0	480.2	500.3	518.0	529.2
27.5°	443.2	470.6	493.6	513.6	526.2
30°	429.8	459.5	486.2	508.4	521.0
32.5°	416.5	448.4	477.3	502.5	515.8
35°	402.4	435.8	469.1	495.8	509.9
37.5°	386.9	423.2	459.5	488.4	503.2
40°	371.3	409.8	449.1	480.2	495.8
42.5°	355.0	395.0	438.0	470.6	486.9
45°	337.9	380.9	426.1	461.0	477.3
47.5°	320.9	365.4	413.5	449.9	466.9
50°	302.4	349.1	400.2	438.0	455.8
52.5°	283.1	332.8	386.1	426.1	443.9
55°	263.8	315.0	371.3	412.8	431.3
57.5°	243.8	296.4	355.7	398.7	417.2
60°	223.1	277.9	340.2	383.9	403.2
62.5°	202.3	259.4	323.1	368.3	388.3
65°	181.6	239.4	305.3	352.8	371.3
67.5°	159.3	220.1	286.8	335.7	355.0
70°	137.1	199.4	269.0	317.9	337.2
72.5°	114.9	178.6	249.8	300.2	319.4
75°	92.6	158.6	230.5	281.6	300.9
77.5°	72.6	138.6	211.2	263.1	282.4
80°	51.9	119.3	192.7	245.3	263.8
82.5°	32.6	100.8	175.6	228.3	246.8
85°	17.0	85.2	160.8	213.4	232.0
87.5°	5.2	73.4	148.2	200.8	219.4
90°	0.7	66.7	141.6	193.4	212.0
92.5°	0.0	64.5	138.6	189.7	208.3
95°	0.0	63.0	135.6	186.8	204.5
97.5°	0.0	60.8	132.7	183.1	200.1
100°	0.0	57.8	129.7	178.6	196.4
102.5°	0.0	54.1	126.0	174.2	191.2
105°	0.7	50.4	121.5	169.7	186.8
107.5°	0.7	45.9	117.1	164.5	181.6
110°	0.7	42.2	111.2	157.9	174.9

TEST NUMBER: P1500541

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	40.0	105.2	151.2	168.2
115°	0.7	38.5	99.3	144.5	161.6
117.5°	0.7	36.3	93.4	137.1	153.4
120°	0.7	34.1	87.5	129.0	145.3
122.5°	0.7	31.1	80.8	121.5	137.1
125°	0.7	29.6	74.9	113.4	128.2
127.5°	0.7	28.2	71.1	105.2	120.1
130°	0.7	26.7	67.4	97.1	111.2
132.5°	0.7	25.2	63.7	89.7	103.0
135°	0.7	23.7	59.3	84.5	94.9
137.5°	0.7	22.2	55.6	79.3	88.9
140°	0.7	20.8	51.9	74.1	83.0
142.5°	0.7	19.3	48.2	68.9	77.8
145°	0.7	17.0	43.7	63.7	71.1
147.5°	0.7	14.8	39.3	58.5	65.2
150°	0.7	13.3	34.8	53.4	60.0
152.5°	1.5	11.9	30.4	48.2	54.1
155°	1.5	9.6	25.9	41.5	48.2
157.5°	1.5	8.2	21.5	34.8	42.2
160°	1.5	6.7	17.8	28.2	35.6
162.5°	1.5	5.2	14.1	22.2	29.6
165°	1.5	4.4	10.4	17.0	23.7
167.5°	1.5	3.7	8.2	11.9	18.5
170°	1.5	3.0	5.9	8.2	12.6
172.5°	1.5	2.2	3.7	5.2	3.7
175°	1.5	1.5	2.2	2.2	1.5
177.5°	1.5	1.5	1.5	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7

TEST NUMBER: P1500541

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

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	16.4	17.7	17.0	18.4	19.1	20.4	21.7	21.0	22.4	23.1
	3H	17.7	19.0	18.4	19.6	20.4	23.2	24.4	23.8	25.1	25.8
	4H	18.1	19.3	18.8	20.0	20.8	24.5	25.7	25.2	26.4	27.1
	6H	18.4	19.5	19.0	20.1	20.9	25.9	27.0	26.6	27.7	28.5
	8H	18.4	19.4	19.1	20.1	21.0	26.6	27.7	27.3	28.4	29.2
	12H	18.4	19.4	19.1	20.1	20.9	27.4	28.5	28.1	29.1	30.0
4H	2H	17.6	18.8	18.3	19.5	20.3	20.7	21.9	21.3	22.5	23.3
	3H	19.2	20.3	19.9	21.0	21.8	23.6	24.7	24.3	25.4	26.2
	4H	19.8	20.7	20.5	21.4	22.3	25.2	26.1	25.8	26.8	27.6
	6H	20.2	21.0	20.9	21.7	22.6	26.7	27.6	27.4	28.3	29.1
	8H	20.2	21.0	20.9	21.7	22.6	27.6	28.3	28.3	29.1	29.9
	12H	20.2	21.0	21.0	21.7	22.6	28.5	29.2	29.2	29.9	30.8
8H	4H	20.8	21.5	21.5	22.3	23.1	25.3	26.1	26.0	26.8	27.7
	6H	21.3	22.0	22.1	22.8	23.6	27.0	27.7	27.7	28.4	29.3
	8H	21.5	22.1	22.2	22.9	23.7	27.9	28.5	28.7	29.3	30.2
	12H	21.6	22.1	22.4	22.9	23.8	29.0	29.5	29.8	30.3	31.2
12H	4H	21.0	21.7	21.8	22.5	23.4	25.3	26.0	26.0	26.7	27.6
	6H	21.7	22.3	22.5	23.1	24.0	27.0	27.6	27.8	28.4	29.3
	8H	22.0	22.5	22.8	23.3	24.2	28.0	28.5	28.8	29.3	30.2

(END OF REPORT)