

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: P1500544

Luminaire Tested: 3CSSV-S3C59-BN-HI-3500K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500544
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-BN-HI-3500K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 3000 Lumen 3500K

Light Source:
Ballast/Driver: -

Summary

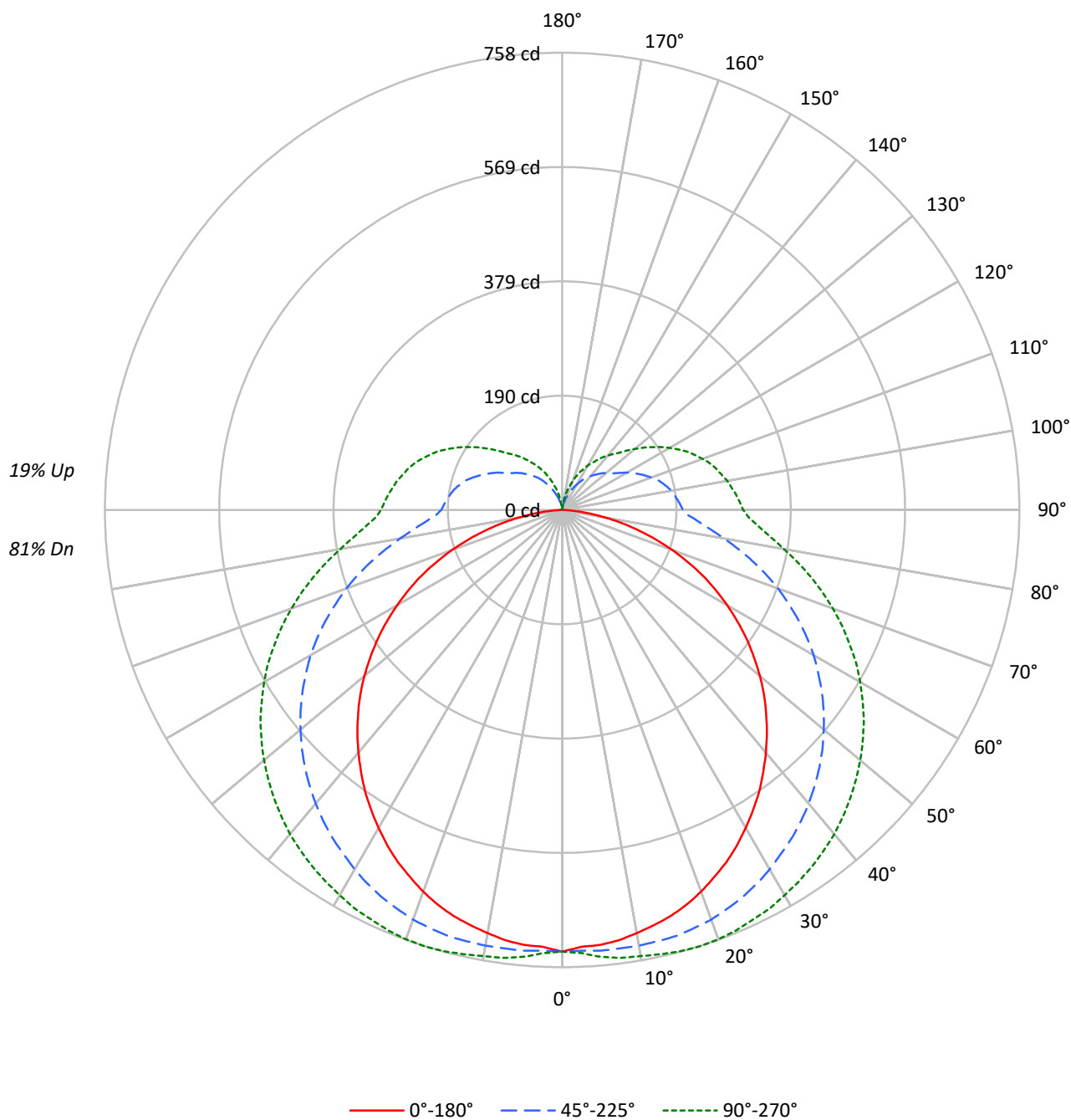
Lumens per Lamp: N/A
Luminaire Lumens: 3579.6 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 34.9
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

TEST NUMBER: P1500544

CATALOG NUMBER: 3CSSV-S3C59-BN-HI-3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1500544

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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°	20762	20762	20762
5°	20522	19603	19466
10°	20347	18679	18382
15°	20206	17917	17533
20°	19996	17188	16754
25°	19742	16477	15980
30°	19421	15795	15307
35°	19121	15150	14694
40°	18751	14528	14123
45°	18363	13911	13544
50°	17930	13289	12984
55°	17356	12643	12430
60°	16622	11980	11845
65°	15741	11223	11213
70°	14338	10422	10560
75°	12317	9514	9861
80°	9570	8582	9140
85°	5197	7842	8593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18363 cd/sqm

TEST NUMBER: P1500544

CATALOG NUMBER: 3CSSV-S3C59-BN-HI-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	2.0
10°-20°	206.6	5.8
20°-30°	325.1	9.1
30°-40°	411.6	11.5
40°-50°	457.7	12.8
50°-60°	457.7	12.8
60°-70°	411.1	11.5
70°-80°	324.6	9.1
80°-90°	229.1	6.4
90°-100°	188.0	5.3
100°-110°	162.5	4.5
110°-120°	127.5	3.6
120°-130°	90.3	2.5
130°-140°	59.5	1.7
140°-150°	35.9	1.0
150°-160°	17.0	0.5
160°-170°	4.8	0.1
170°-180°	0.4	0.0
0°-30°	601.9	16.8
0°-40°	1013.4	28.3
0°-60°	1928.9	53.9
0°-90°	2893.6	80.8
90°-120°	477.9	13.4
90°-150°	663.7	18.5
90°-180°	686.0	19.2
0°-180°	3579.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	732	732	732	732	732	
5°	724	740	733	734	744	69
15°	696	721	731	746	757	196
25°	644	680	708	733	749	297
35°	570	617	664	702	722	356
45°	478	539	603	652	676	369
55°	373	446	526	584	610	333
65°	257	339	432	499	526	253
75°	131	224	326	399	426	140
85°	24	121	228	302	328	30
90°	1	94	200	274	300	1
95°	0	89	192	264	290	0
105°	1	71	172	240	264	1
115°	1	54	141	204	229	1
125°	1	42	106	160	182	1
135°	1	34	84	120	134	1
145°	1	24	62	90	101	1
155°	2	14	37	59	68	1
165°	2	6	15	24	34	1
175°	2	2	3	3	2	0
180°	1	1	1	1	1	

TEST NUMBER: P1500544

CATALOG NUMBER: 3CSSV-S3C59-BN-HI-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	732.2	732.2	732.2	732.2	732.2
2.5°	724.8	739.5	731.1	732.2	735.3
5°	723.8	739.5	733.2	734.3	743.7
7.5°	719.6	736.4	733.2	738.5	748.9
10°	712.2	733.2	733.2	741.6	751.0
12.5°	704.9	726.9	732.2	742.7	754.2
15°	696.5	720.6	731.1	745.8	757.3
17.5°	686.0	713.3	726.9	744.8	758.4
20°	673.4	702.8	722.7	741.6	757.3
22.5°	658.7	692.3	715.4	738.5	754.2
25°	644.1	679.7	708.0	733.2	748.9
27.5°	627.3	666.1	698.6	726.9	744.8
30°	608.4	650.3	688.1	719.6	737.4
32.5°	589.5	634.6	675.5	711.2	730.1
35°	569.6	616.8	664.0	701.7	721.7
37.5°	547.5	598.9	650.3	691.3	712.2
40°	525.5	580.1	635.7	679.7	701.7
42.5°	502.4	559.1	619.9	666.1	689.2
45°	478.3	539.2	603.1	652.4	675.5
47.5°	454.2	517.1	585.3	636.7	660.8
50°	428.0	494.1	566.4	619.9	645.1
52.5°	400.7	471.0	546.5	603.1	628.3
55°	373.4	445.8	525.5	584.3	610.5
57.5°	345.1	419.6	503.5	564.3	590.6
60°	315.7	393.4	481.5	543.4	570.6
62.5°	286.4	367.1	457.3	521.3	549.6
65°	257.0	338.8	432.2	499.3	525.5
67.5°	225.5	311.5	405.9	475.2	502.4
70°	194.1	282.2	380.8	450.0	477.3
72.5°	162.6	252.8	353.5	424.8	452.1
75°	131.1	224.5	326.2	398.6	425.9
77.5°	102.8	196.2	298.9	372.4	399.6
80°	73.4	168.9	272.7	347.2	373.4
82.5°	46.2	142.7	248.6	323.1	349.3
85°	24.1	120.6	227.6	302.1	328.3
87.5°	7.3	103.8	209.8	284.3	310.5
90°	1.0	94.4	200.3	273.8	300.0
92.5°	0.0	91.3	196.2	268.5	294.8
95°	0.0	89.2	192.0	264.3	289.5
97.5°	0.0	86.0	187.8	259.1	283.2
100°	0.0	81.8	183.6	252.8	278.0
102.5°	0.0	76.6	178.3	246.5	270.6
105°	1.0	71.3	172.0	240.2	264.3
107.5°	1.0	65.0	165.7	232.9	257.0
110°	1.0	59.8	157.3	223.4	247.6

TEST NUMBER: P1500544

CATALOG NUMBER: 3CSSV-S3C59-BN-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	56.6	149.0	214.0	238.1
115°	1.0	54.5	140.6	204.5	228.7
117.5°	1.0	51.4	132.2	194.1	217.1
120°	1.0	48.3	123.8	182.5	205.6
122.5°	1.0	44.1	114.3	172.0	194.1
125°	1.0	42.0	105.9	160.5	181.5
127.5°	1.0	39.9	100.7	149.0	169.9
130°	1.0	37.8	95.5	137.4	157.3
132.5°	1.0	35.7	90.2	126.9	145.8
135°	1.0	33.6	83.9	119.6	134.3
137.5°	1.0	31.5	78.7	112.2	125.9
140°	1.0	29.4	73.4	104.9	117.5
142.5°	1.0	27.3	68.2	97.6	110.1
145°	1.0	24.1	61.9	90.2	100.7
147.5°	1.0	21.0	55.6	82.9	92.3
150°	1.0	18.9	49.3	75.5	85.0
152.5°	2.1	16.8	43.0	68.2	76.6
155°	2.1	13.6	36.7	58.7	68.2
157.5°	2.1	11.5	30.4	49.3	59.8
160°	2.1	9.4	25.2	39.9	50.3
162.5°	2.1	7.3	19.9	31.5	42.0
165°	2.1	6.3	14.7	24.1	33.6
167.5°	2.1	5.2	11.5	16.8	26.2
170°	2.1	4.2	8.4	11.5	17.8
172.5°	2.1	3.1	5.2	7.3	5.2
175°	2.1	2.1	3.1	3.1	2.1
177.5°	2.1	2.1	2.1	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0

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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	17.6	18.9	18.2	19.6	20.3	21.6	22.9	22.2	23.6	24.3
	3H	18.9	20.2	19.6	20.8	21.6	24.4	25.6	25.0	26.3	27.0
	4H	19.3	20.5	20.0	21.2	22.0	25.7	26.9	26.4	27.6	28.4
	6H	19.6	20.7	20.2	21.3	22.2	27.1	28.2	27.8	28.9	29.7
	8H	19.6	20.6	20.3	21.4	22.2	27.9	28.9	28.5	29.6	30.4
	12H	19.6	20.6	20.3	21.3	22.1	28.6	29.7	29.3	30.4	31.2
4H	2H	18.8	20.0	19.5	20.7	21.5	21.9	23.1	22.6	23.7	24.5
	3H	20.5	21.5	21.1	22.2	23.0	24.9	25.9	25.5	26.6	27.4
	4H	21.0	21.9	21.7	22.7	23.5	26.4	27.3	27.1	28.0	28.8
	6H	21.4	22.2	22.1	22.9	23.8	27.9	28.8	28.6	29.5	30.3
	8H	21.4	22.2	22.1	22.9	23.8	28.8	29.5	29.5	30.3	31.1
	12H	21.5	22.2	22.2	22.9	23.8	29.7	30.4	30.4	31.1	32.0
8H	4H	22.0	22.7	22.7	23.5	24.3	26.5	27.3	27.2	28.0	28.9
	6H	22.5	23.2	23.3	24.0	24.8	28.2	28.9	29.0	29.6	30.5
	8H	22.7	23.3	23.5	24.1	24.9	29.2	29.7	29.9	30.5	31.4
	12H	22.8	23.3	23.6	24.1	25.0	30.2	30.8	31.0	31.5	32.4
12H	4H	22.2	22.9	23.0	23.7	24.6	26.5	27.2	27.2	27.9	28.8
	6H	22.9	23.5	23.7	24.3	25.2	28.2	28.8	29.0	29.6	30.5
	8H	23.2	23.7	24.0	24.5	25.4	29.2	29.7	30.0	30.5	31.4

(END OF REPORT)