

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P566685

Luminaire Tested: **4SNX-63SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566685  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-63SL-LN-UNV-L950-CD  
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

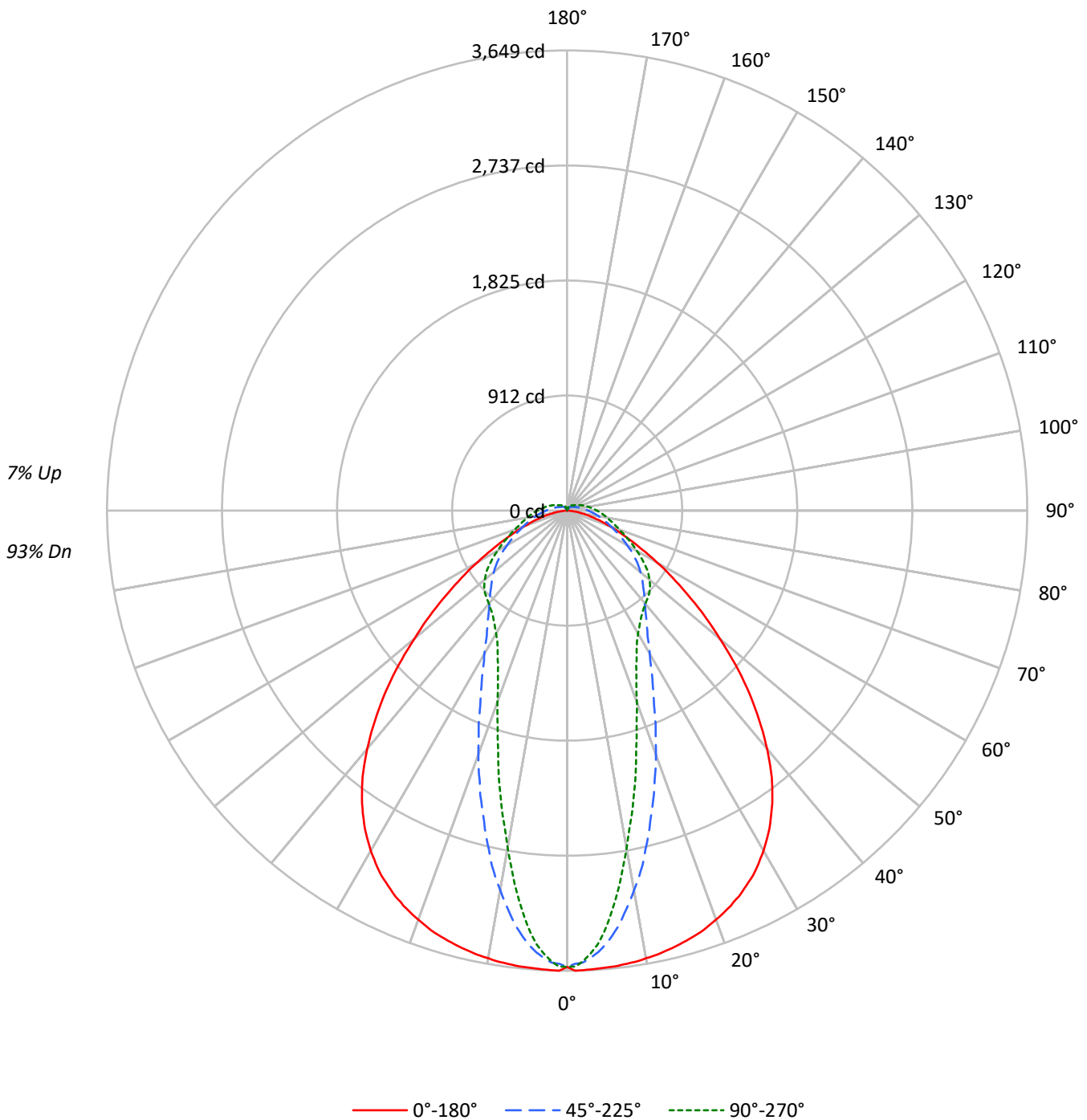
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5769.0 lumens  
Efficiency: N/A  
Efficacy: 129.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 44.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	38956	38956	38956
5°	39157	35803	34263
10°	39103	30698	26584
15°	39084	25042	19924
20°	38960	19949	14910
25°	38606	15632	11833
30°	37797	12651	10094
35°	36209	10706	9181
40°	33495	9452	8691
45°	29780	8647	8423
50°	25227	7958	7956
55°	20725	7211	7267
60°	16573	6343	6373
65°	12866	5569	5546
70°	9988	4926	4906
75°	7727	4427	4470
80°	5455	4049	4155
85°	3037	3776	3986



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	320.5	5.6
10°-20°	751.2	13.0
20°-30°	891.7	15.5
30°-40°	897.2	15.6
40°-50°	834.0	14.5
50°-60°	686.7	11.9
60°-70°	483.9	8.4
70°-80°	316.1	5.5
80°-90°	201.8	3.5
90°-100°	132.4	2.3
100°-110°	89.9	1.6
110°-120°	61.6	1.1
120°-130°	42.6	0.7
130°-140°	28.7	0.5
140°-150°	17.7	0.3
150°-160°	9.2	0.2
160°-170°	3.3	0.1
170°-180°	0.6	0.0
0°-30°	1963.5	34.0
0°-40°	2860.6	49.6
0°-60°	4381.3	75.9
0°-90°	5383.2	93.3
90°-120°	283.8	4.9
90°-150°	372.8	6.5
90°-180°	386.0	6.7
0°-180°	5769.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3619	3619	3619	3619	3619	
5°	3637	3589	3459	3392	3356	346
15°	3546	3169	2549	2228	2107	1002
25°	3314	2449	1624	1364	1306	1525
35°	2836	1657	1100	1031	1025	1764
45°	2038	1092	853	898	922	1564
55°	1170	717	659	732	756	1057
65°	550	432	454	511	529	558
75°	215	224	305	360	375	232
85°	36	103	206	266	278	46
90°	0	70	166	227	236	2
95°	0	51	139	190	200	0
105°	0	36	94	133	145	0
115°	3	30	66	97	103	3
125°	3	24	54	70	76	3
135°	3	21	42	54	57	2
145°	3	15	30	42	45	2
155°	3	12	21	30	33	1
165°	3	6	12	15	18	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3619.1	3619.1	3619.1	3619.1	3619.1
1°	3649.3	3634.2	3594.9	3622.1	3616.0
2°	3646.3	3631.2	3585.8	3597.9	3576.7
3°	3643.3	3622.1	3552.6	3549.5	3519.3
4°	3640.2	3607.0	3510.2	3473.9	3449.8
5°	3637.2	3588.8	3458.8	3392.3	3356.0
6°	3634.2	3567.7	3392.3	3292.5	3241.1
7°	3628.1	3534.4	3322.8	3186.7	3120.2
8°	3622.1	3504.2	3235.1	3071.8	2990.2
9°	3616.0	3464.9	3147.4	2947.9	2851.1
10°	3603.9	3425.6	3056.7	2820.9	2718.1
11°	3597.9	3380.2	2969.0	2699.9	2579.0
12°	3585.8	3331.8	2875.3	2573.0	2467.1
13°	3573.7	3280.4	2760.4	2464.1	2337.1
14°	3561.6	3226.0	2660.6	2343.2	2225.3
15°	3546.5	3168.6	2548.8	2228.3	2107.3
16°	3531.4	3102.1	2449.0	2110.4	1983.4
17°	3516.3	3038.6	2355.3	2001.5	1886.6
18°	3498.1	2975.1	2246.4	1895.7	1783.8
19°	3473.9	2902.5	2158.7	1799.0	1696.2
20°	3452.8	2836.0	2059.0	1708.2	1617.5
21°	3428.6	2754.4	1959.2	1623.6	1532.9
22.5°	3392.3	2639.5	1832.2	1517.8	1433.1
23°	3374.2	2606.2	1780.8	1478.5	1405.9
24°	3350.0	2518.5	1696.2	1418.0	1345.4
25°	3313.7	2449.0	1623.6	1363.6	1306.1
26°	3280.4	2364.3	1551.0	1315.2	1257.8
27°	3247.2	2282.7	1487.5	1263.8	1215.4
28°	3204.9	2198.0	1418.0	1221.5	1179.1
29°	3159.5	2119.4	1360.6	1185.2	1151.9
30°	3114.2	2031.8	1312.2	1151.9	1124.7
32.5°	2987.2	1838.3	1188.2	1088.4	1070.3
35°	2836.0	1656.8	1100.5	1031.0	1024.9
37.5°	2666.7	1490.6	1021.9	985.6	991.7
40°	2467.1	1339.4	955.4	952.4	964.5
42.5°	2255.5	1209.4	904.0	925.2	943.3
45°	2037.8	1091.5	852.6	898.0	922.2
47.5°	1811.0	988.7	807.3	864.7	891.9
50°	1581.3	888.9	758.9	825.4	852.6
52.5°	1375.7	801.2	710.5	780.0	810.3
55°	1170.1	716.6	659.1	731.7	755.9
57.5°	991.7	637.9	604.7	677.3	695.4
60°	825.4	562.4	550.3	616.8	637.9
62.5°	674.2	495.8	498.9	562.4	583.5
65°	550.3	432.4	453.5	511.0	529.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	447.5	371.9	408.2	468.6	483.8
70°	353.7	317.5	371.9	426.3	441.4
72.5°	281.2	269.1	335.6	393.0	405.1
75°	214.7	223.7	305.4	359.8	374.9
77.5°	154.2	187.5	275.1	332.6	344.7
80°	108.8	154.2	250.9	308.4	320.5
82.5°	69.5	127.0	226.8	287.2	299.3
85°	36.3	102.8	205.6	266.1	278.2
87.5°	15.1	84.7	184.4	244.9	257.0
90°	0.0	69.5	166.3	226.8	235.8
92.5°	0.0	60.5	151.2	208.6	217.7
95°	0.0	51.4	139.1	190.5	199.5
97.5°	0.0	48.4	124.0	175.4	184.4
100°	0.0	42.3	111.9	160.2	172.3
102.5°	0.0	39.3	102.8	145.1	157.2
105°	0.0	36.3	93.7	133.0	145.1
107.5°	0.0	33.3	87.7	124.0	133.0
110°	0.0	33.3	78.6	114.9	124.0
112.5°	3.0	30.2	72.6	102.8	111.9
115°	3.0	30.2	66.5	96.8	102.8
117.5°	3.0	30.2	63.5	87.7	93.7
120°	3.0	27.2	60.5	81.6	87.7
122.5°	3.0	27.2	57.4	75.6	78.6
125°	3.0	24.2	54.4	69.5	75.6
127.5°	3.0	24.2	51.4	66.5	69.5
130°	3.0	24.2	48.4	60.5	66.5
132.5°	3.0	21.2	45.4	57.4	60.5
135°	3.0	21.2	42.3	54.4	57.4
137.5°	3.0	18.1	39.3	51.4	54.4
140°	3.0	18.1	36.3	48.4	51.4
142.5°	3.0	15.1	33.3	45.4	48.4
145°	3.0	15.1	30.2	42.3	45.4
147.5°	3.0	15.1	27.2	39.3	42.3
150°	3.0	12.1	24.2	36.3	39.3
152.5°	3.0	12.1	21.2	33.3	36.3
155°	3.0	12.1	21.2	30.2	33.3
157.5°	3.0	9.1	18.1	24.2	30.2
160°	3.0	9.1	15.1	21.2	27.2
162.5°	3.0	9.1	15.1	18.1	21.2
165°	3.0	6.0	12.1	15.1	18.1
167.5°	3.0	6.0	9.1	12.1	15.1
170°	3.0	6.0	9.1	9.1	12.1
172.5°	3.0	6.0	6.0	6.0	6.0
175°	6.0	6.0	6.0	6.0	3.0
177.5°	6.0	6.0	6.0	3.0	3.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)