

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: P566670

Luminaire Tested: **4SNX-63SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566670  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-63SL-LC-UNV-L830-CD  
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

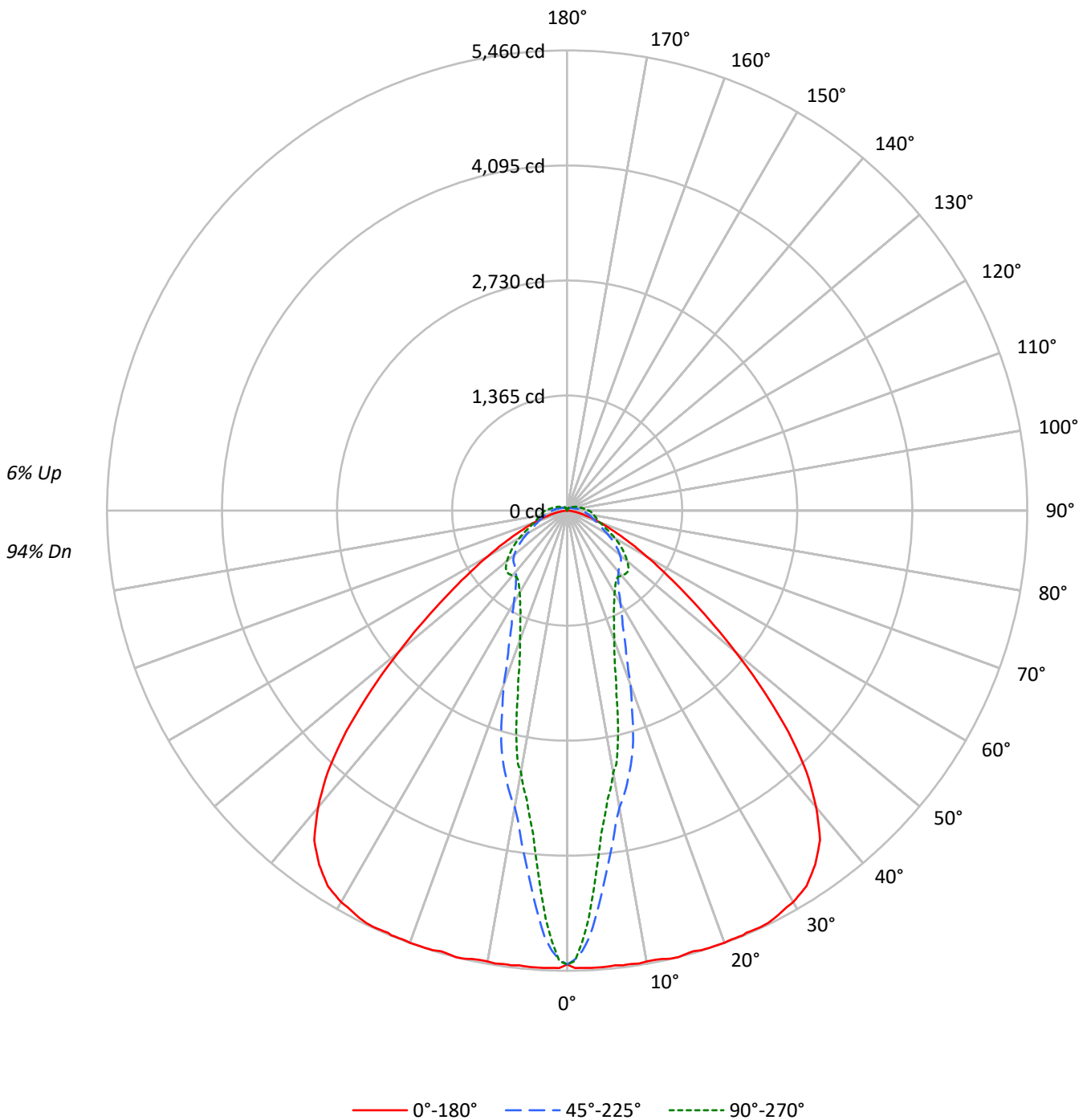
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6637.9 lumens  
Efficiency: N/A  
Efficacy: 149.5 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
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 (Ain): 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

TEST NUMBER: P566670  
CATALOG NUMBER: 4SNX-63SL-LC-UNV-L830-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P566670

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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

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

	0°	45°	90°
0°	57965	57965	57965
5°	58487	47608	42615
10°	58946	35941	30842
15°	60021	29379	21356
20°	61569	21258	15083
25°	63491	15229	11866
30°	65112	12168	10105
35°	65498	10293	9051
40°	62442	9356	9073
45°	54187	9040	9321
50°	41572	8597	8698
55°	30127	7518	7718
60°	21858	6274	6525
65°	15908	5305	5349
70°	11719	4686	4612
75°	8325	4340	4299
80°	5460	4062	4235
85°	2560	3873	4241



TEST NUMBER: P566670

CATALOG NUMBER: 4SNX-63SL-LC-UNV-L830-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	423.5	6.4
10°-20°	919.6	13.9
20°-30°	1052.7	15.9
30°-40°	1054.5	15.9
40°-50°	998.3	15.0
50°-60°	765.6	11.5
60°-70°	493.5	7.4
70°-80°	314.7	4.7
80°-90°	209.0	3.1
90°-100°	140.5	2.1
100°-110°	92.6	1.4
110°-120°	64.4	1.0
120°-130°	44.9	0.7
130°-140°	31.2	0.5
140°-150°	19.1	0.3
150°-160°	9.7	0.1
160°-170°	3.7	0.1
170°-180°	0.7	0.0
0°-30°	2395.8	36.1
0°-40°	3450.3	52.0
0°-60°	5214.1	78.6
0°-90°	6231.3	93.9
90°-120°	297.4	4.5
90°-150°	392.5	5.9
90°-180°	407.0	6.1
0°-180°	6637.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5385	5385	5385	5385	5385	
5°	5433	5133	4599	4290	4174	519
15°	5446	3922	2990	2456	2259	1545
25°	5450	2776	1582	1374	1310	2512
35°	5130	1544	1058	1024	1010	3183
45°	3708	976	891	986	1020	2819
55°	1701	697	687	772	803	1564
65°	680	439	432	493	510	700
75°	231	238	299	344	361	254
85°	31	109	211	276	296	42
90°	0	75	177	245	255	1
95°	0	54	146	201	211	0
105°	0	41	95	136	146	2
115°	3	34	71	99	106	3
125°	3	31	61	71	75	3
135°	3	24	48	58	61	3
145°	3	17	34	44	48	2
155°	3	10	20	31	34	2
165°	7	7	14	17	20	2
175°	7	7	7	7	3	1
180°	7	7	7	7	7	



TEST NUMBER: P566670

CATALOG NUMBER: 4SNX-63SL-LC-UNV-L830-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5385.1	5385.1	5385.1	5385.1	5385.1
1°	5429.3	5398.7	5327.2	5347.6	5344.2
2°	5429.3	5364.7	5225.2	5184.4	5123.1
3°	5432.7	5306.8	5068.7	4936.0	4851.0
4°	5432.7	5221.8	4837.4	4616.3	4507.4
5°	5432.7	5133.3	4599.2	4289.7	4174.0
6°	5425.9	5027.9	4357.7	4031.1	3857.7
7°	5436.1	4912.2	4140.0	3789.6	3653.5
8°	5432.7	4776.1	3939.3	3605.9	3456.2
9°	5442.9	4643.5	3721.6	3432.4	3320.2
10°	5432.7	4521.0	3578.7	3269.1	3153.5
11°	5432.7	4401.9	3476.7	3163.7	3065.0
12°	5439.5	4265.9	3364.4	3014.0	2877.9
13°	5456.5	4126.4	3235.1	2850.7	2690.8
14°	5459.9	4020.9	3116.1	2643.2	2476.5
15°	5446.3	3922.3	2990.2	2456.1	2258.8
16°	5439.5	3820.2	2840.5	2279.2	2102.3
17°	5453.1	3701.2	2670.4	2098.9	1935.6
18°	5456.5	3592.3	2490.1	1962.8	1820.0
19°	5456.5	3507.3	2343.8	1837.0	1714.5
20°	5456.5	3425.6	2194.2	1741.7	1636.3
21°	5449.7	3323.6	2024.1	1643.1	1554.6
22.5°	5453.1	3133.1	1830.2	1527.4	1456.0
23°	5442.9	3085.4	1782.5	1496.8	1422.0
24°	5446.3	2949.4	1680.5	1435.6	1364.1
25°	5449.7	2775.9	1581.8	1374.3	1309.7
26°	5442.9	2636.4	1500.2	1316.5	1272.3
27°	5425.9	2524.1	1442.4	1268.9	1228.1
28°	5402.1	2374.5	1381.1	1228.1	1190.6
29°	5378.3	2204.4	1319.9	1183.8	1156.6
30°	5364.7	2068.3	1262.1	1149.8	1126.0
32.5°	5283.0	1799.6	1143.0	1081.8	1061.4
35°	5129.9	1544.4	1058.0	1023.9	1010.3
37.5°	4929.2	1347.1	993.3	986.5	989.9
40°	4599.2	1190.6	945.7	976.3	1006.9
42.5°	4204.6	1068.2	911.7	986.5	1020.5
45°	3708.0	976.3	891.3	986.5	1020.5
47.5°	3156.9	901.5	867.5	952.5	986.5
50°	2605.8	833.4	819.8	901.5	932.1
52.5°	2119.3	768.8	758.6	836.8	867.5
55°	1700.9	697.4	687.2	772.2	802.8
57.5°	1364.1	629.3	619.1	697.4	728.0
60°	1088.6	561.3	544.3	622.5	653.1
62.5°	867.5	496.7	486.5	554.5	581.7
65°	680.4	438.8	432.0	493.3	510.3



TEST NUMBER: P566670

CATALOG NUMBER: 4SNX-63SL-LC-UNV-L830-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	537.5	384.4	387.8	438.8	459.2
70°	415.0	333.4	353.8	401.4	415.0
72.5°	313.0	282.4	326.6	367.4	384.4
75°	231.3	238.1	299.4	343.6	360.6
77.5°	159.9	197.3	275.5	323.2	340.2
80°	108.9	159.9	251.7	306.2	326.6
82.5°	64.6	132.7	231.3	289.2	313.0
85°	30.6	108.9	210.9	275.5	296.0
87.5°	10.2	88.4	190.5	261.9	278.9
90°	0.0	74.8	176.9	244.9	255.1
92.5°	0.0	64.6	159.9	224.5	231.3
95°	0.0	54.4	146.3	200.7	210.9
97.5°	0.0	51.0	136.1	180.3	193.9
100°	0.0	47.6	122.5	163.3	176.9
102.5°	0.0	40.8	108.9	146.3	159.9
105°	0.0	40.8	95.3	136.1	146.3
107.5°	3.4	37.4	88.4	122.5	136.1
110°	3.4	37.4	78.2	115.7	125.9
112.5°	3.4	37.4	74.8	105.5	119.1
115°	3.4	34.0	71.4	98.7	105.5
117.5°	3.4	34.0	68.0	88.4	95.3
120°	3.4	30.6	64.6	81.6	85.0
122.5°	3.4	30.6	61.2	74.8	78.2
125°	3.4	30.6	61.2	71.4	74.8
127.5°	3.4	27.2	57.8	68.0	68.0
130°	3.4	27.2	54.4	64.6	64.6
132.5°	3.4	23.8	51.0	61.2	64.6
135°	3.4	23.8	47.6	57.8	61.2
137.5°	3.4	20.4	44.2	54.4	57.8
140°	3.4	20.4	40.8	51.0	54.4
142.5°	3.4	17.0	37.4	47.6	51.0
145°	3.4	17.0	34.0	44.2	47.6
147.5°	3.4	17.0	30.6	40.8	44.2
150°	3.4	13.6	27.2	37.4	40.8
152.5°	3.4	13.6	23.8	34.0	37.4
155°	3.4	10.2	20.4	30.6	34.0
157.5°	3.4	10.2	20.4	27.2	30.6
160°	6.8	10.2	17.0	23.8	27.2
162.5°	3.4	6.8	17.0	20.4	23.8
165°	6.8	6.8	13.6	17.0	20.4
167.5°	6.8	6.8	10.2	13.6	17.0
170°	6.8	6.8	10.2	10.2	13.6
172.5°	6.8	6.8	6.8	10.2	6.8
175°	6.8	6.8	6.8	6.8	3.4
177.5°	6.8	6.8	6.8	6.8	3.4



TEST NUMBER: P566670

CATALOG NUMBER: 4SNX-63SL-LC-UNV-L830-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	6.8	6.8	6.8	6.8	6.8

(END OF REPORT)