

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: P566677

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566677  
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-L950-CD  
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

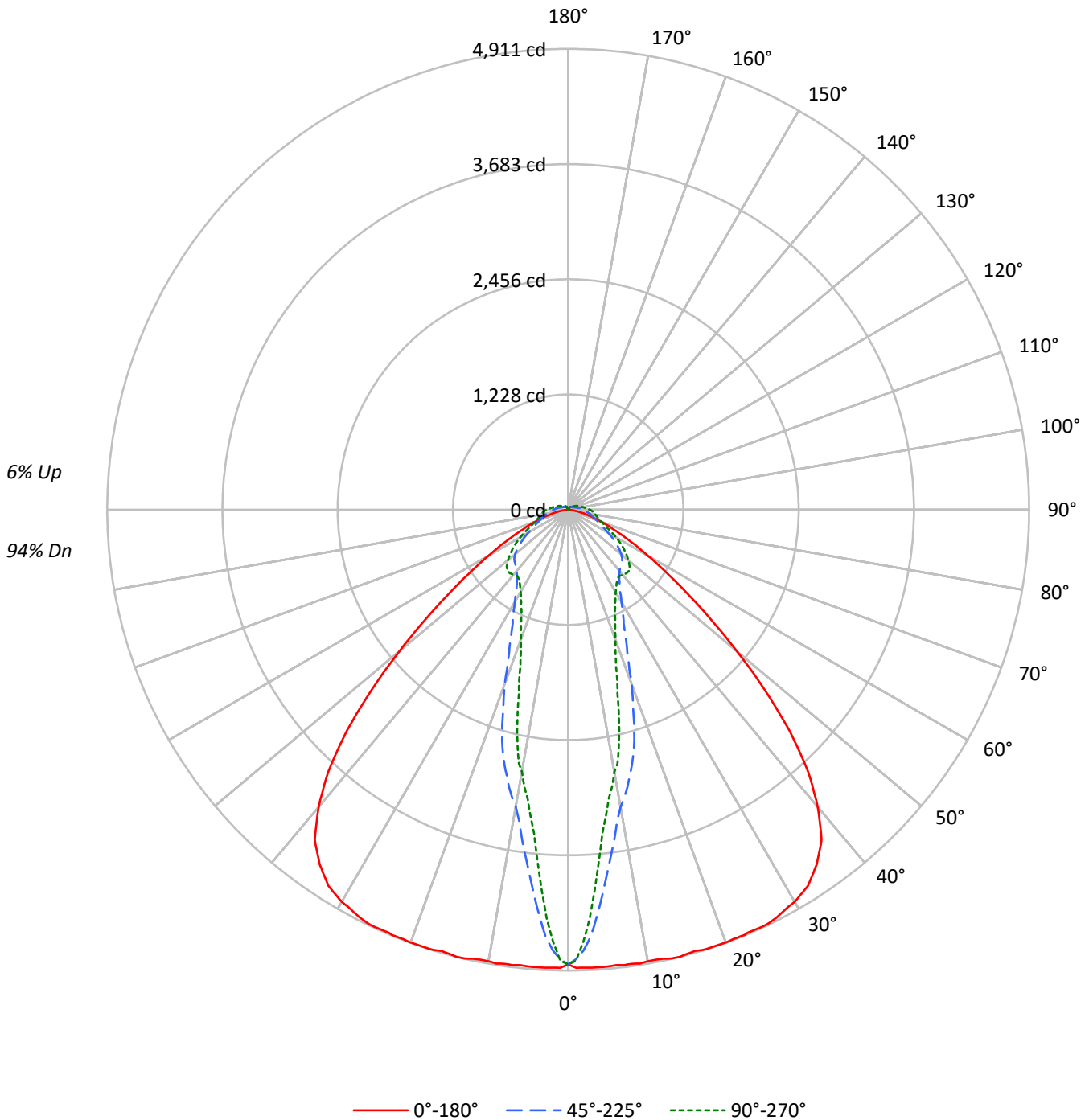
Lumens per Lamp: N/A  
Luminaire Lumens: 5971.1 lumens  
Efficiency: N/A  
Efficacy: 134.5 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct

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

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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	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°	52140	52140	52140
5°	52610	42825	38333
10°	53023	32329	27743
15°	53990	26426	19210
20°	55382	19122	13568
25°	57111	13700	10674
30°	58569	10946	9090
35°	58917	9259	8141
40°	56168	8416	8162
45°	48742	8131	8384
50°	37395	7734	7824
55°	27100	6762	6943
60°	19661	5644	5870
65°	14309	4772	4812
70°	10542	4214	4149
75°	7490	3903	3868
80°	4909	3654	3809
85°	2301	3484	3814



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	380.9	6.4
10°-20°	827.2	13.9
20°-30°	946.9	15.9
30°-40°	948.6	15.9
40°-50°	897.9	15.0
50°-60°	688.7	11.5
60°-70°	443.9	7.4
70°-80°	283.1	4.7
80°-90°	188.0	3.1
90°-100°	126.4	2.1
100°-110°	83.3	1.4
110°-120°	57.9	1.0
120°-130°	40.4	0.7
130°-140°	28.1	0.5
140°-150°	17.2	0.3
150°-160°	8.7	0.1
160°-170°	3.4	0.1
170°-180°	0.6	0.0
0°-30°	2155.1	36.1
0°-40°	3103.6	52.0
0°-60°	4690.3	78.5
0°-90°	5605.2	93.9
90°-120°	267.5	4.5
90°-150°	353.2	5.9
90°-180°	366.0	6.1
0°-180°	5971.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4844	4844	4844	4844	4844	
5°	4887	4618	4137	3859	3755	467
15°	4899	3528	2690	2209	2032	1390
25°	4902	2497	1423	1236	1178	2260
35°	4614	1389	952	921	909	2863
45°	3335	878	802	887	918	2536
55°	1530	627	618	695	722	1407
65°	612	395	389	444	459	629
75°	208	214	269	309	324	229
85°	28	98	190	248	266	38
90°	0	67	159	220	230	1
95°	0	49	132	180	190	0
105°	0	37	86	122	132	2
115°	3	31	64	89	95	3
125°	3	28	55	64	67	3
135°	3	21	43	52	55	2
145°	3	15	31	40	43	2
155°	3	9	18	28	31	2
165°	6	6	12	15	18	1
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4844.0	4844.0	4844.0	4844.0	4844.0
1°	4883.7	4856.2	4791.9	4810.3	4807.2
2°	4883.7	4825.6	4700.1	4663.4	4608.3
3°	4886.8	4773.6	4559.4	4440.0	4363.5
4°	4886.8	4697.1	4351.3	4152.4	4054.5
5°	4886.8	4617.5	4137.1	3858.6	3754.6
6°	4880.7	4522.7	3919.8	3626.1	3470.0
7°	4889.9	4418.6	3724.0	3408.8	3286.4
8°	4886.8	4296.2	3543.5	3243.6	3109.0
9°	4896.0	4176.9	3347.6	3087.5	2986.6
10°	4886.8	4066.7	3219.1	2940.7	2836.6
11°	4886.8	3959.6	3127.3	2845.8	2757.1
12°	4892.9	3837.2	3026.3	2711.2	2588.8
13°	4908.2	3711.8	2910.1	2564.3	2420.5
14°	4911.3	3616.9	2803.0	2377.6	2227.7
15°	4899.0	3528.2	2689.7	2209.3	2031.8
16°	4892.9	3436.4	2555.1	2050.2	1891.1
17°	4905.2	3329.3	2402.1	1888.0	1741.1
18°	4908.2	3231.3	2239.9	1765.6	1637.1
19°	4908.2	3154.9	2108.3	1652.4	1542.2
20°	4908.2	3081.4	1973.7	1566.7	1471.9
21°	4902.1	2989.6	1820.7	1478.0	1398.4
22.5°	4905.2	2818.3	1646.3	1373.9	1309.7
23°	4896.0	2775.4	1603.4	1346.4	1279.1
24°	4899.0	2653.0	1511.6	1291.3	1227.1
25°	4902.1	2497.0	1422.9	1236.2	1178.1
26°	4896.0	2371.5	1349.5	1184.2	1144.4
27°	4880.7	2270.5	1297.4	1141.4	1104.7
28°	4859.3	2135.9	1242.4	1104.7	1071.0
29°	4837.8	1982.9	1187.3	1064.9	1040.4
30°	4825.6	1860.5	1135.3	1034.3	1012.9
32.5°	4752.2	1618.7	1028.2	973.1	954.7
35°	4614.5	1389.2	951.7	921.1	908.8
37.5°	4433.9	1211.8	893.5	887.4	890.5
40°	4137.1	1071.0	850.7	878.2	905.8
42.5°	3782.1	960.8	820.1	887.4	918.0
45°	3335.4	878.2	801.7	887.4	918.0
47.5°	2839.7	810.9	780.3	856.8	887.4
50°	2344.0	749.7	737.5	810.9	838.4
52.5°	1906.4	691.6	682.4	752.8	780.3
55°	1530.0	627.3	618.1	694.6	722.2
57.5°	1227.1	566.1	556.9	627.3	654.8
60°	979.2	504.9	489.6	560.0	587.5
62.5°	780.3	446.8	437.6	498.8	523.3
65°	612.0	394.7	388.6	443.7	459.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	483.5	345.8	348.8	394.7	413.1
70°	373.3	299.9	318.2	361.1	373.3
72.5°	281.5	254.0	293.8	330.5	345.8
75°	208.1	214.2	269.3	309.1	324.4
77.5°	143.8	177.5	247.9	290.7	306.0
80°	97.9	143.8	226.4	275.4	293.8
82.5°	58.1	119.3	208.1	260.1	281.5
85°	27.5	97.9	189.7	247.9	266.2
87.5°	9.2	79.6	171.4	235.6	250.9
90°	0.0	67.3	159.1	220.3	229.5
92.5°	0.0	58.1	143.8	202.0	208.1
95°	0.0	49.0	131.6	180.5	189.7
97.5°	0.0	45.9	122.4	162.2	174.4
100°	0.0	42.8	110.2	146.9	159.1
102.5°	0.0	36.7	97.9	131.6	143.8
105°	0.0	36.7	85.7	122.4	131.6
107.5°	3.1	33.7	79.6	110.2	122.4
110°	3.1	33.7	70.4	104.0	113.2
112.5°	3.1	33.7	67.3	94.9	107.1
115°	3.1	30.6	64.3	88.7	94.9
117.5°	3.1	30.6	61.2	79.6	85.7
120°	3.1	27.5	58.1	73.4	76.5
122.5°	3.1	27.5	55.1	67.3	70.4
125°	3.1	27.5	55.1	64.3	67.3
127.5°	3.1	24.5	52.0	61.2	61.2
130°	3.1	24.5	49.0	58.1	58.1
132.5°	3.1	21.4	45.9	55.1	58.1
135°	3.1	21.4	42.8	52.0	55.1
137.5°	3.1	18.4	39.8	49.0	52.0
140°	3.1	18.4	36.7	45.9	49.0
142.5°	3.1	15.3	33.7	42.8	45.9
145°	3.1	15.3	30.6	39.8	42.8
147.5°	3.1	15.3	27.5	36.7	39.8
150°	3.1	12.2	24.5	33.7	36.7
152.5°	3.1	12.2	21.4	30.6	33.7
155°	3.1	9.2	18.4	27.5	30.6
157.5°	3.1	9.2	18.4	24.5	27.5
160°	6.1	9.2	15.3	21.4	24.5
162.5°	3.1	6.1	15.3	18.4	21.4
165°	6.1	6.1	12.2	15.3	18.4
167.5°	6.1	6.1	9.2	12.2	15.3
170°	6.1	6.1	9.2	9.2	12.2
172.5°	6.1	6.1	6.1	9.2	6.1
175°	6.1	6.1	6.1	6.1	3.1
177.5°	6.1	6.1	6.1	6.1	3.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	6.1	6.1	6.1	6.1	6.1

(END OF REPORT)