

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: P566700

Luminaire Tested: **4SNX-63SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566700  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-63SL-SLW-UNV-L940-CD  
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

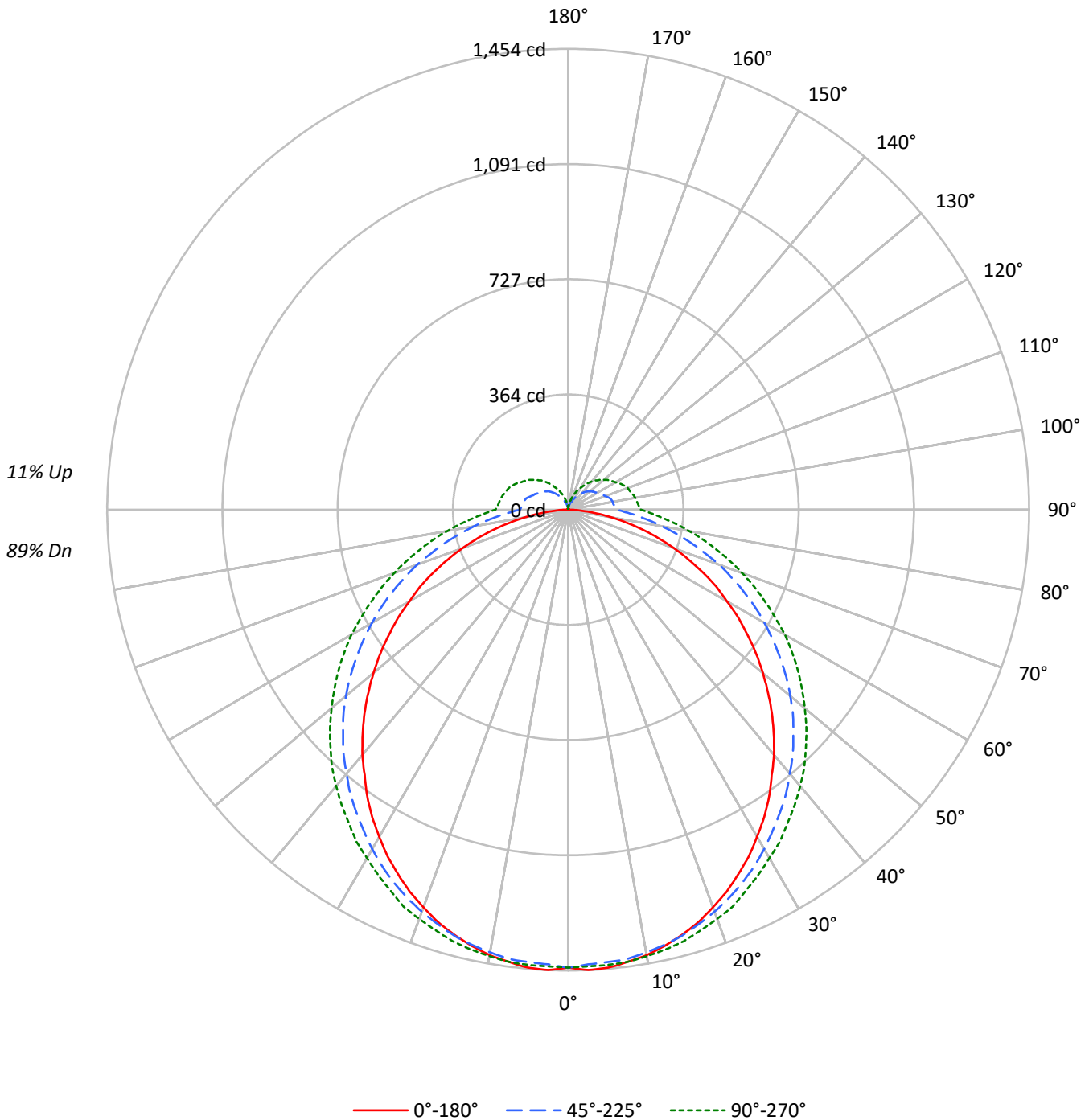
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5144.0 lumens  
Efficiency: N/A  
Efficacy: 115.9 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

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

	0°	45°	90°
0°	15554	15554	15554
5°	15649	15153	15141
10°	15541	14847	14767
15°	15386	14533	14421
20°	15174	14173	14037
25°	14929	13820	13635
30°	14636	13433	13238
35°	14316	13031	12865
40°	13949	12635	12507
45°	13551	12232	12121
50°	13096	11806	11689
55°	12598	11295	11265
60°	12011	10749	10791
65°	11407	10135	10194
70°	10555	9458	9610
75°	9430	8598	8964
80°	7598	7725	8328
85°	5351	6975	7673



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.2	2.7
10°-20°	394.5	7.7
20°-30°	599.8	11.7
30°-40°	728.1	14.2
40°-50°	769.4	15.0
50°-60°	720.0	14.0
60°-70°	590.8	11.5
70°-80°	406.3	7.9
80°-90°	222.5	4.3
90°-100°	143.3	2.8
100°-110°	128.6	2.5
110°-120°	106.4	2.1
120°-130°	82.0	1.6
130°-140°	57.6	1.1
140°-150°	34.7	0.7
150°-160°	16.6	0.3
160°-170°	5.5	0.1
170°-180°	0.7	0.0
0°-30°	1131.6	22.0
0°-40°	1859.7	36.2
0°-60°	3349.1	65.1
0°-90°	4568.7	88.8
90°-120°	378.3	7.4
90°-150°	552.5	10.7
90°-180°	575.0	11.2
0°-180°	5144.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1451	1448	1433	1445	1442	138
15°	1388	1394	1391	1409	1409	391
25°	1269	1284	1299	1326	1326	585
35°	1105	1132	1165	1198	1207	690
45°	909	950	1004	1049	1061	700
55°	691	748	816	867	885	619
65°	468	530	611	667	685	463
75°	244	310	399	462	483	257
85°	54	128	218	277	298	62
90°	0	72	152	209	229	4
95°	0	68	146	200	220	0
105°	0	57	137	188	206	2
115°	3	51	116	167	188	3
125°	3	42	98	143	161	3
135°	3	33	80	116	131	2
145°	3	24	57	89	98	2
155°	3	15	36	57	66	1
165°	3	9	18	27	33	1
175°	3	3	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°	1445.0	1445.0	1445.0	1445.0	1445.0
2.5°	1453.9	1450.9	1436.0	1447.9	1442.0
5°	1450.9	1447.9	1433.0	1445.0	1442.0
7.5°	1439.0	1439.0	1430.1	1442.0	1439.0
10°	1427.1	1427.1	1418.1	1433.0	1430.1
12.5°	1409.2	1412.2	1406.2	1424.1	1421.1
15°	1388.4	1394.3	1391.3	1409.2	1409.2
17.5°	1364.5	1370.5	1370.5	1391.3	1391.3
20°	1334.7	1343.7	1349.6	1373.5	1373.5
22.5°	1304.9	1316.9	1325.8	1346.6	1355.6
25°	1269.2	1284.1	1299.0	1325.8	1325.8
27.5°	1233.4	1251.3	1269.2	1296.0	1299.0
30°	1191.7	1212.6	1236.4	1263.2	1269.2
32.5°	1150.0	1176.8	1200.7	1233.4	1242.4
35°	1105.3	1132.1	1164.9	1197.7	1206.6
37.5°	1054.7	1087.4	1129.2	1164.9	1173.8
40°	1010.0	1045.7	1087.4	1129.2	1138.1
42.5°	959.3	998.1	1048.7	1087.4	1102.3
45°	908.7	950.4	1004.0	1048.7	1060.6
47.5°	855.1	902.7	962.3	1004.0	1018.9
50°	801.4	852.1	914.6	962.3	974.2
52.5°	747.8	801.4	867.0	914.6	929.5
55°	691.2	747.8	816.3	867.0	884.9
57.5°	637.6	694.2	765.7	819.3	837.2
60°	578.0	643.5	715.0	768.7	789.5
62.5°	527.3	586.9	664.4	718.0	735.9
65°	467.8	530.3	610.8	667.4	685.2
67.5°	411.1	476.7	557.1	616.7	634.6
70°	354.5	420.1	506.5	563.1	583.9
72.5°	297.9	366.5	449.9	512.4	533.3
75°	244.3	309.8	399.2	461.8	482.6
77.5°	187.7	259.2	348.6	411.1	435.0
80°	137.0	211.5	300.9	363.5	387.3
82.5°	92.4	166.8	256.2	318.8	342.6
85°	53.6	128.1	217.5	277.1	297.9
87.5°	26.8	98.3	181.7	241.3	262.2
90°	0.0	71.5	151.9	208.6	229.4
92.5°	0.0	68.5	149.0	202.6	223.4
95°	0.0	68.5	146.0	199.6	220.5
97.5°	0.0	65.5	143.0	199.6	217.5
100°	0.0	62.6	143.0	196.6	214.5
102.5°	0.0	59.6	140.0	193.7	211.5
105°	0.0	56.6	137.0	187.7	205.6
107.5°	3.0	56.6	131.1	184.7	202.6
110°	3.0	53.6	125.1	181.7	199.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	50.6	119.2	175.8	193.7
115°	3.0	50.6	116.2	166.8	187.7
117.5°	3.0	47.7	110.2	160.9	181.7
120°	3.0	47.7	107.3	154.9	172.8
122.5°	3.0	44.7	101.3	149.0	166.8
125°	3.0	41.7	98.3	143.0	160.9
127.5°	3.0	38.7	95.3	137.0	154.9
130°	3.0	35.8	89.4	131.1	146.0
132.5°	3.0	35.8	86.4	122.2	140.0
135°	3.0	32.8	80.4	116.2	131.1
137.5°	3.0	29.8	74.5	110.2	125.1
140°	3.0	26.8	68.5	104.3	116.2
142.5°	3.0	26.8	62.6	95.3	107.3
145°	3.0	23.8	56.6	89.4	98.3
147.5°	3.0	20.9	50.6	80.4	89.4
150°	3.0	20.9	44.7	71.5	80.4
152.5°	3.0	17.9	38.7	65.5	74.5
155°	3.0	14.9	35.8	56.6	65.5
157.5°	3.0	14.9	29.8	47.7	56.6
160°	3.0	11.9	26.8	38.7	47.7
162.5°	3.0	11.9	23.8	32.8	41.7
165°	3.0	8.9	17.9	26.8	32.8
167.5°	3.0	8.9	14.9	20.9	26.8
170°	3.0	6.0	11.9	14.9	20.9
172.5°	3.0	6.0	8.9	8.9	8.9
175°	3.0	3.0	6.0	6.0	3.0
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)