

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: P566691

Luminaire Tested: **4SNX-63SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

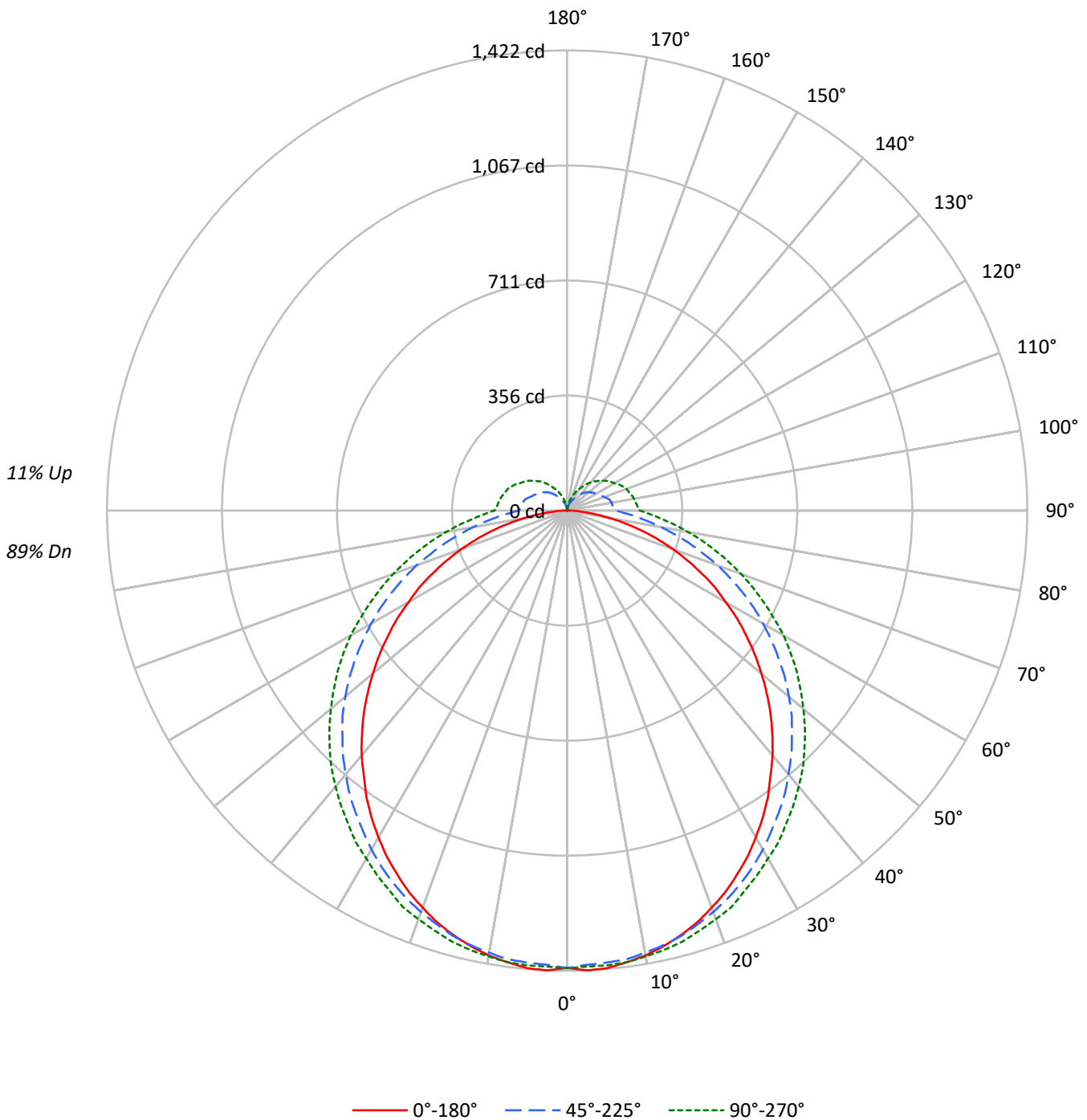
Test Method: LM-79-08  
Report Number: P566691  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-63SL-LW-UNV-L935-CD  
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5032.0 lumens  
Efficiency: N/A  
Efficacy: 113.3 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: 0.17')  
CIE Type: Semi-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	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	76	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°	15215	15215	15215
5°	15280	14511	14402
10°	15147	13933	13682
15°	14967	13372	13033
20°	14733	12791	12385
25°	14464	12234	11750
30°	14149	11661	11142
35°	13806	11086	10574
40°	13414	10524	10032
45°	12990	9962	9476
50°	12508	9382	8893
55°	11975	8737	8321
60°	11353	8063	7716
65°	10699	7337	7026
70°	9793	6563	6348
75°	8602	5660	5629
80°	6724	4752	4913
85°	4392	3908	4175



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.3	2.7
10°-20°	385.9	7.7
20°-30°	586.8	11.7
30°-40°	712.3	14.2
40°-50°	752.7	15.0
50°-60°	704.3	14.0
60°-70°	577.9	11.5
70°-80°	397.5	7.9
80°-90°	217.7	4.3
90°-100°	140.2	2.8
100°-110°	125.8	2.5
110°-120°	104.1	2.1
120°-130°	80.2	1.6
130°-140°	56.3	1.1
140°-150°	33.9	0.7
150°-160°	16.3	0.3
160°-170°	5.3	0.1
170°-180°	0.6	0.0
0°-30°	1106.9	22.0
0°-40°	1819.2	36.2
0°-60°	3276.2	65.1
0°-90°	4469.3	88.8
90°-120°	370.1	7.4
90°-150°	540.5	10.7
90°-180°	563.0	11.2
0°-180°	5032.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1414	1414	1414	1414	1414	
5°	1419	1416	1402	1414	1411	135
15°	1358	1364	1361	1378	1378	383
25°	1242	1256	1271	1297	1297	572
35°	1081	1108	1140	1172	1180	675
45°	889	930	982	1026	1038	685
55°	676	732	799	848	866	605
65°	458	519	598	653	670	453
75°	239	303	390	452	472	252
85°	52	125	213	271	291	61
90°	0	70	149	204	224	4
95°	0	67	143	195	216	0
105°	0	55	134	184	201	2
115°	3	50	114	163	184	3
125°	3	41	96	140	157	3
135°	3	32	79	114	128	2
145°	3	23	55	87	96	2
155°	3	15	35	55	64	1
165°	3	9	18	26	32	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°	1413.5	1413.5	1413.5	1413.5	1413.5
2.5°	1422.2	1419.3	1404.8	1416.4	1410.6
5°	1419.3	1416.4	1401.8	1413.5	1410.6
7.5°	1407.7	1407.7	1398.9	1410.6	1407.7
10°	1396.0	1396.0	1387.3	1401.8	1398.9
12.5°	1378.5	1381.4	1375.6	1393.1	1390.2
15°	1358.1	1364.0	1361.0	1378.5	1378.5
17.5°	1334.8	1340.6	1340.6	1361.0	1361.0
20°	1305.7	1314.4	1320.2	1343.6	1343.6
22.5°	1276.5	1288.2	1296.9	1317.3	1326.1
25°	1241.5	1256.1	1270.7	1296.9	1296.9
27.5°	1206.6	1224.1	1241.5	1267.8	1270.7
30°	1165.8	1186.2	1209.5	1235.7	1241.5
32.5°	1125.0	1151.2	1174.5	1206.6	1215.3
35°	1081.3	1107.5	1139.5	1171.6	1180.3
37.5°	1031.7	1063.8	1104.6	1139.5	1148.3
40°	988.0	1023.0	1063.8	1104.6	1113.3
42.5°	938.4	976.3	1025.9	1063.8	1078.3
45°	888.9	929.7	982.2	1025.9	1037.5
47.5°	836.4	883.1	941.4	982.2	996.7
50°	784.0	833.5	894.7	941.4	953.0
52.5°	731.5	784.0	848.1	894.7	909.3
55°	676.1	731.5	798.6	848.1	865.6
57.5°	623.7	679.1	749.0	801.5	819.0
60°	565.4	629.5	699.5	751.9	772.3
62.5°	515.9	574.1	649.9	702.4	719.9
65°	457.6	518.8	597.5	652.8	670.3
67.5°	402.2	466.3	545.0	603.3	620.8
70°	346.8	410.9	495.5	550.8	571.2
72.5°	291.4	358.5	440.1	501.3	521.7
75°	239.0	303.1	390.5	451.7	472.1
77.5°	183.6	253.6	341.0	402.2	425.5
80°	134.1	206.9	294.4	355.6	378.9
82.5°	90.3	163.2	250.6	311.8	335.2
85°	52.5	125.3	212.8	271.0	291.4
87.5°	26.2	96.2	177.8	236.1	256.5
90°	0.0	69.9	148.6	204.0	224.4
92.5°	0.0	67.0	145.7	198.2	218.6
95°	0.0	67.0	142.8	195.3	215.7
97.5°	0.0	64.1	139.9	195.3	212.8
100°	0.0	61.2	139.9	192.4	209.8
102.5°	0.0	58.3	137.0	189.4	206.9
105°	0.0	55.4	134.1	183.6	201.1
107.5°	2.9	55.4	128.2	180.7	198.2
110°	2.9	52.5	122.4	177.8	195.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	49.5	116.6	172.0	189.4
115°	2.9	49.5	113.7	163.2	183.6
117.5°	2.9	46.6	107.8	157.4	177.8
120°	2.9	46.6	104.9	151.6	169.0
122.5°	2.9	43.7	99.1	145.7	163.2
125°	2.9	40.8	96.2	139.9	157.4
127.5°	2.9	37.9	93.3	134.1	151.6
130°	2.9	35.0	87.4	128.2	142.8
132.5°	2.9	35.0	84.5	119.5	137.0
135°	2.9	32.1	78.7	113.7	128.2
137.5°	2.9	29.1	72.9	107.8	122.4
140°	2.9	26.2	67.0	102.0	113.7
142.5°	2.9	26.2	61.2	93.3	104.9
145°	2.9	23.3	55.4	87.4	96.2
147.5°	2.9	20.4	49.5	78.7	87.4
150°	2.9	20.4	43.7	69.9	78.7
152.5°	2.9	17.5	37.9	64.1	72.9
155°	2.9	14.6	35.0	55.4	64.1
157.5°	2.9	14.6	29.1	46.6	55.4
160°	2.9	11.7	26.2	37.9	46.6
162.5°	2.9	11.7	23.3	32.1	40.8
165°	2.9	8.7	17.5	26.2	32.1
167.5°	2.9	8.7	14.6	20.4	26.2
170°	2.9	5.8	11.7	14.6	20.4
172.5°	2.9	5.8	8.7	8.7	8.7
175°	2.9	2.9	5.8	5.8	2.9
177.5°	2.9	2.9	2.9	2.9	2.9
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)