

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: P566694

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566694  
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-L830-CD  
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

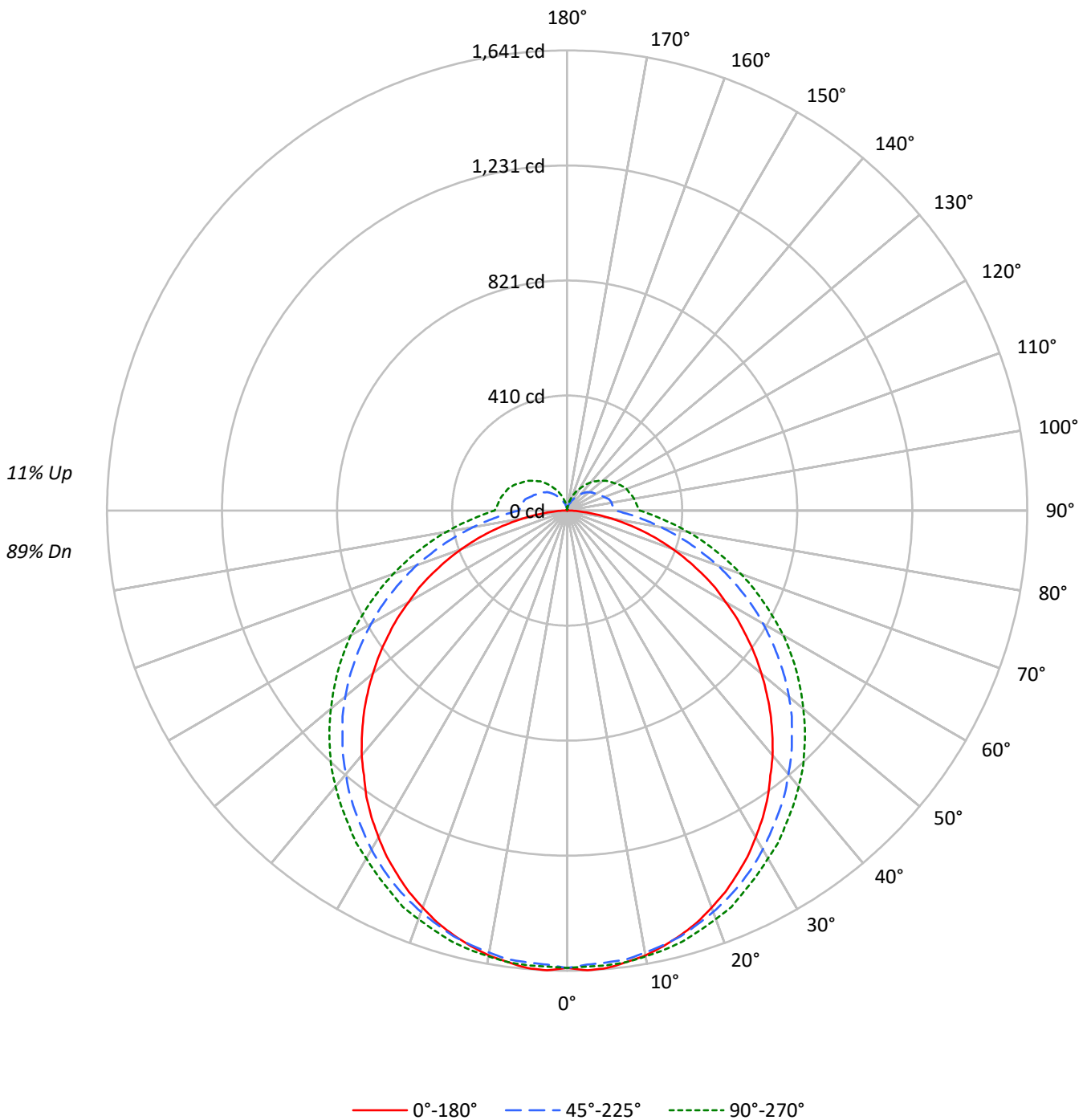
Lumens per Lamp: N/A  
Luminaire Lumens: 5806.1 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 44.4  
Input Voltage (V): NR  
Input Current (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

TEST NUMBER: P566694

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

### Luminous Intensity Polar Plot





TEST NUMBER: P566694

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

**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°	17555	17555	17555
5°	17662	17104	17090
10°	17541	16759	16666
15°	17366	16404	16277
20°	17127	15997	15843
25°	16850	15598	15390
30°	16520	15161	14941
35°	16159	14708	14520
40°	15744	14262	14117
45°	15295	13806	13681
50°	14783	13327	13193
55°	14220	12750	12714
60°	13557	12133	12180
65°	12873	11440	11506
70°	11916	10676	10848
75°	10642	9705	10119
80°	8580	8718	9401
85°	6039	7873	8662



TEST NUMBER: P566694

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.9	2.7
10°-20°	445.3	7.7
20°-30°	677.0	11.7
30°-40°	821.8	14.2
40°-50°	868.5	15.0
50°-60°	812.7	14.0
60°-70°	666.8	11.5
70°-80°	458.6	7.9
80°-90°	251.2	4.3
90°-100°	161.7	2.8
100°-110°	145.1	2.5
110°-120°	120.1	2.1
120°-130°	92.5	1.6
130°-140°	65.0	1.1
140°-150°	39.2	0.7
150°-160°	18.8	0.3
160°-170°	6.2	0.1
170°-180°	0.7	0.0
0°-30°	1277.2	22.0
0°-40°	2099.0	36.2
0°-60°	3780.1	65.1
0°-90°	5156.7	88.8
90°-120°	427.0	7.4
90°-150°	623.7	10.7
90°-180°	649.0	11.2
0°-180°	5806.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1631	1631	1631	1631	1631	
5°	1638	1634	1618	1631	1628	155
15°	1567	1574	1570	1591	1591	442
25°	1432	1449	1466	1496	1496	660
35°	1248	1278	1315	1352	1362	779
45°	1026	1073	1133	1184	1197	791
55°	780	844	921	979	999	698
65°	528	599	689	753	773	523
75°	276	350	451	521	545	290
85°	60	145	246	313	336	70
90°	0	81	172	235	259	4
95°	0	77	165	225	249	0
105°	0	64	155	212	232	2
115°	3	57	131	188	212	3
125°	3	47	111	161	182	3
135°	3	37	91	131	148	3
145°	3	27	64	101	111	2
155°	3	17	40	64	74	2
165°	3	10	20	30	37	1
175°	3	3	7	7	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566694

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1630.9	1630.9	1630.9	1630.9	1630.9
2.5°	1641.0	1637.6	1620.8	1634.3	1627.6
5°	1637.6	1634.3	1617.5	1630.9	1627.6
7.5°	1624.2	1624.2	1614.1	1627.6	1624.2
10°	1610.7	1610.7	1600.7	1617.5	1614.1
12.5°	1590.6	1593.9	1587.2	1607.4	1604.0
15°	1567.0	1573.8	1570.4	1590.6	1590.6
17.5°	1540.1	1546.9	1546.9	1570.4	1570.4
20°	1506.5	1516.6	1523.3	1550.2	1550.2
22.5°	1472.9	1486.3	1496.4	1519.9	1530.0
25°	1432.5	1449.3	1466.1	1496.4	1496.4
27.5°	1392.2	1412.3	1432.5	1462.8	1466.1
30°	1345.1	1368.6	1395.5	1425.8	1432.5
32.5°	1298.0	1328.3	1355.2	1392.2	1402.3
35°	1247.6	1277.8	1314.8	1351.8	1361.9
37.5°	1190.4	1227.4	1274.5	1314.8	1324.9
40°	1140.0	1180.3	1227.4	1274.5	1284.6
42.5°	1082.8	1126.5	1183.7	1227.4	1244.2
45°	1025.6	1072.7	1133.2	1183.7	1197.1
47.5°	965.1	1018.9	1086.2	1133.2	1150.1
50°	904.6	961.7	1032.4	1086.2	1099.6
52.5°	844.0	904.6	978.6	1032.4	1049.2
55°	780.2	844.0	921.4	978.6	998.7
57.5°	719.6	783.5	864.2	924.7	944.9
60°	652.4	726.3	807.1	867.6	891.1
62.5°	595.2	662.5	749.9	810.4	830.6
65°	527.9	598.6	689.4	753.2	773.4
67.5°	464.1	538.0	628.8	696.1	716.3
70°	400.2	474.1	571.7	635.6	659.1
72.5°	336.3	413.6	507.8	578.4	601.9
75°	275.7	349.7	450.6	521.2	544.8
77.5°	211.9	292.6	393.4	464.1	491.0
80°	154.7	238.8	339.6	410.3	437.2
82.5°	104.2	188.3	289.2	359.8	386.7
85°	60.5	144.6	245.5	312.7	336.3
87.5°	30.3	111.0	205.1	272.4	295.9
90°	0.0	80.7	171.5	235.4	258.9
92.5°	0.0	77.3	168.1	228.7	252.2
95°	0.0	77.3	164.8	225.3	248.8
97.5°	0.0	74.0	161.4	225.3	245.5
100°	0.0	70.6	161.4	221.9	242.1
102.5°	0.0	67.3	158.0	218.6	238.8
105°	0.0	63.9	154.7	211.9	232.0
107.5°	3.4	63.9	148.0	208.5	228.7
110°	3.4	60.5	141.2	205.1	225.3



TEST NUMBER: P566694

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	57.2	134.5	198.4	218.6
115°	3.4	57.2	131.1	188.3	211.9
117.5°	3.4	53.8	124.4	181.6	205.1
120°	3.4	53.8	121.1	174.9	195.0
122.5°	3.4	50.4	114.3	168.1	188.3
125°	3.4	47.1	111.0	161.4	181.6
127.5°	3.4	43.7	107.6	154.7	174.9
130°	3.4	40.4	100.9	148.0	164.8
132.5°	3.4	40.4	97.5	137.9	158.0
135°	3.4	37.0	90.8	131.1	148.0
137.5°	3.4	33.6	84.1	124.4	141.2
140°	3.4	30.3	77.3	117.7	131.1
142.5°	3.4	30.3	70.6	107.6	121.1
145°	3.4	26.9	63.9	100.9	111.0
147.5°	3.4	23.5	57.2	90.8	100.9
150°	3.4	23.5	50.4	80.7	90.8
152.5°	3.4	20.2	43.7	74.0	84.1
155°	3.4	16.8	40.4	63.9	74.0
157.5°	3.4	16.8	33.6	53.8	63.9
160°	3.4	13.5	30.3	43.7	53.8
162.5°	3.4	13.5	26.9	37.0	47.1
165°	3.4	10.1	20.2	30.3	37.0
167.5°	3.4	10.1	16.8	23.5	30.3
170°	3.4	6.7	13.5	16.8	23.5
172.5°	3.4	6.7	10.1	10.1	10.1
175°	3.4	3.4	6.7	6.7	3.4
177.5°	3.4	3.4	3.4	3.4	3.4
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)