

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: P567898

Luminaire Tested: **8SNX-62SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567898
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: 8SNX-62SL-LW-UNV-L830-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

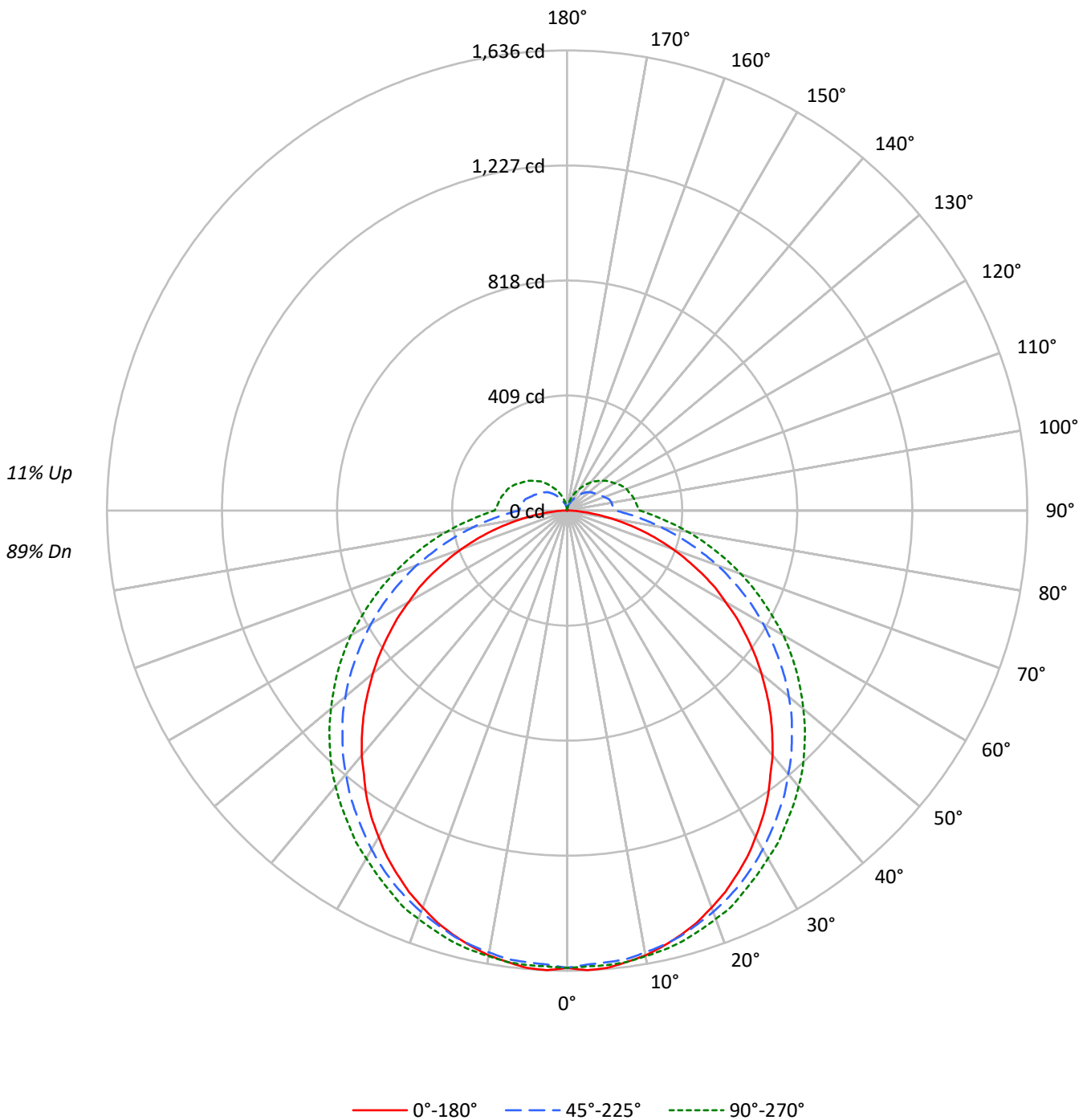
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5787.1 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 39
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	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°	8749	8749	8749
5°	8802	8355	8281
10°	8742	8030	7867
15°	8654	7716	7495
20°	8535	7389	7121
25°	8397	7074	6757
30°	8233	6750	6407
35°	8053	6424	6080
40°	7845	6105	5769
45°	7622	5785	5449
50°	7366	5455	5114
55°	7086	5086	4785
60°	6755	4701	4437
65°	6414	4284	4041
70°	5937	3839	3650
75°	5302	3318	3237
80°	4274	2792	2825
85°	3007	2305	2401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.4	2.7
10°-20°	443.8	7.7
20°-30°	674.8	11.7
30°-40°	819.2	14.2
40°-50°	865.6	15.0
50°-60°	810.0	14.0
60°-70°	664.6	11.5
70°-80°	457.1	7.9
80°-90°	250.3	4.3
90°-100°	161.2	2.8
100°-110°	144.7	2.5
110°-120°	119.7	2.1
120°-130°	92.2	1.6
130°-140°	64.8	1.1
140°-150°	39.1	0.7
150°-160°	18.7	0.3
160°-170°	6.1	0.1
170°-180°	0.7	0.0
0°-30°	1273.0	22.0
0°-40°	2092.2	36.2
0°-60°	3767.8	65.1
0°-90°	5139.8	88.8
90°-120°	425.6	7.4
90°-150°	621.7	10.7
90°-180°	647.0	11.2
0°-180°	5787.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1626	1626	1626	1626	1626	
5°	1632	1629	1612	1626	1622	155
15°	1562	1569	1565	1585	1585	440
25°	1428	1445	1461	1492	1492	658
35°	1244	1274	1310	1347	1357	777
45°	1022	1069	1130	1180	1193	788
55°	778	841	918	975	996	696
65°	526	597	687	751	771	521
75°	275	349	449	520	543	289
85°	60	144	245	312	335	70
90°	0	80	171	235	258	4
95°	0	77	164	225	248	0
105°	0	64	154	211	231	2
115°	3	57	131	188	211	3
125°	3	47	111	161	181	3
135°	3	37	90	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	



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CATALOG NUMBER: 8SNX-62SL-LW-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1625.6	1625.6	1625.6	1625.6	1625.6
2.5°	1635.6	1632.3	1615.5	1628.9	1622.2
5°	1632.3	1628.9	1612.2	1625.6	1622.2
7.5°	1618.9	1618.9	1608.8	1622.2	1618.9
10°	1605.5	1605.5	1595.4	1612.2	1608.8
12.5°	1585.4	1588.7	1582.0	1602.1	1598.8
15°	1561.9	1568.6	1565.3	1585.4	1585.4
17.5°	1535.1	1541.8	1541.8	1565.3	1565.3
20°	1501.6	1511.6	1518.3	1545.1	1545.1
22.5°	1468.1	1481.5	1491.5	1515.0	1525.0
25°	1427.8	1444.6	1461.3	1491.5	1491.5
27.5°	1387.6	1407.7	1427.8	1458.0	1461.3
30°	1340.7	1364.1	1391.0	1421.1	1427.8
32.5°	1293.8	1323.9	1350.7	1387.6	1397.7
35°	1243.5	1273.7	1310.5	1347.4	1357.4
37.5°	1186.5	1223.4	1270.3	1310.5	1320.6
40°	1136.2	1176.5	1223.4	1270.3	1280.4
42.5°	1079.3	1122.8	1179.8	1223.4	1240.1
45°	1022.3	1069.2	1129.5	1179.8	1193.2
47.5°	961.9	1015.6	1082.6	1129.5	1146.3
50°	901.6	958.6	1029.0	1082.6	1096.0
52.5°	841.3	901.6	975.3	1029.0	1045.7
55°	777.6	841.3	918.4	975.3	995.5
57.5°	717.3	780.9	861.4	921.7	941.8
60°	650.2	724.0	804.4	864.7	888.2
62.5°	593.3	660.3	747.4	807.8	827.9
65°	526.2	596.6	687.1	750.8	770.9
67.5°	462.5	536.3	626.8	693.8	713.9
70°	398.9	472.6	569.8	633.5	656.9
72.5°	335.2	412.3	506.1	576.5	600.0
75°	274.8	348.6	449.1	519.5	543.0
77.5°	211.2	291.6	392.2	462.5	489.4
80°	154.2	238.0	338.5	408.9	435.7
82.5°	103.9	187.7	288.2	358.6	385.4
85°	60.3	144.1	244.7	311.7	335.2
87.5°	30.2	110.6	204.5	271.5	295.0
90°	0.0	80.4	170.9	234.6	258.1
92.5°	0.0	77.1	167.6	227.9	251.4
95°	0.0	77.1	164.2	224.6	248.0
97.5°	0.0	73.7	160.9	224.6	244.7
100°	0.0	70.4	160.9	221.2	241.3
102.5°	0.0	67.0	157.5	217.9	238.0
105°	0.0	63.7	154.2	211.2	231.3
107.5°	3.4	63.7	147.5	207.8	227.9
110°	3.4	60.3	140.8	204.5	224.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	57.0	134.1	197.8	217.9
115°	3.4	57.0	130.7	187.7	211.2
117.5°	3.4	53.6	124.0	181.0	204.5
120°	3.4	53.6	120.7	174.3	194.4
122.5°	3.4	50.3	114.0	167.6	187.7
125°	3.4	46.9	110.6	160.9	181.0
127.5°	3.4	43.6	107.3	154.2	174.3
130°	3.4	40.2	100.6	147.5	164.2
132.5°	3.4	40.2	97.2	137.4	157.5
135°	3.4	36.9	90.5	130.7	147.5
137.5°	3.4	33.5	83.8	124.0	140.8
140°	3.4	30.2	77.1	117.3	130.7
142.5°	3.4	30.2	70.4	107.3	120.7
145°	3.4	26.8	63.7	100.6	110.6
147.5°	3.4	23.5	57.0	90.5	100.6
150°	3.4	23.5	50.3	80.4	90.5
152.5°	3.4	20.1	43.6	73.7	83.8
155°	3.4	16.8	40.2	63.7	73.7
157.5°	3.4	16.8	33.5	53.6	63.7
160°	3.4	13.4	30.2	43.6	53.6
162.5°	3.4	13.4	26.8	36.9	46.9
165°	3.4	10.1	20.1	30.2	36.9
167.5°	3.4	10.1	16.8	23.5	30.2
170°	3.4	6.7	13.4	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)