

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: P567778

Luminaire Tested: **8SNX-44SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-44SL-FDL-UNV-L830-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

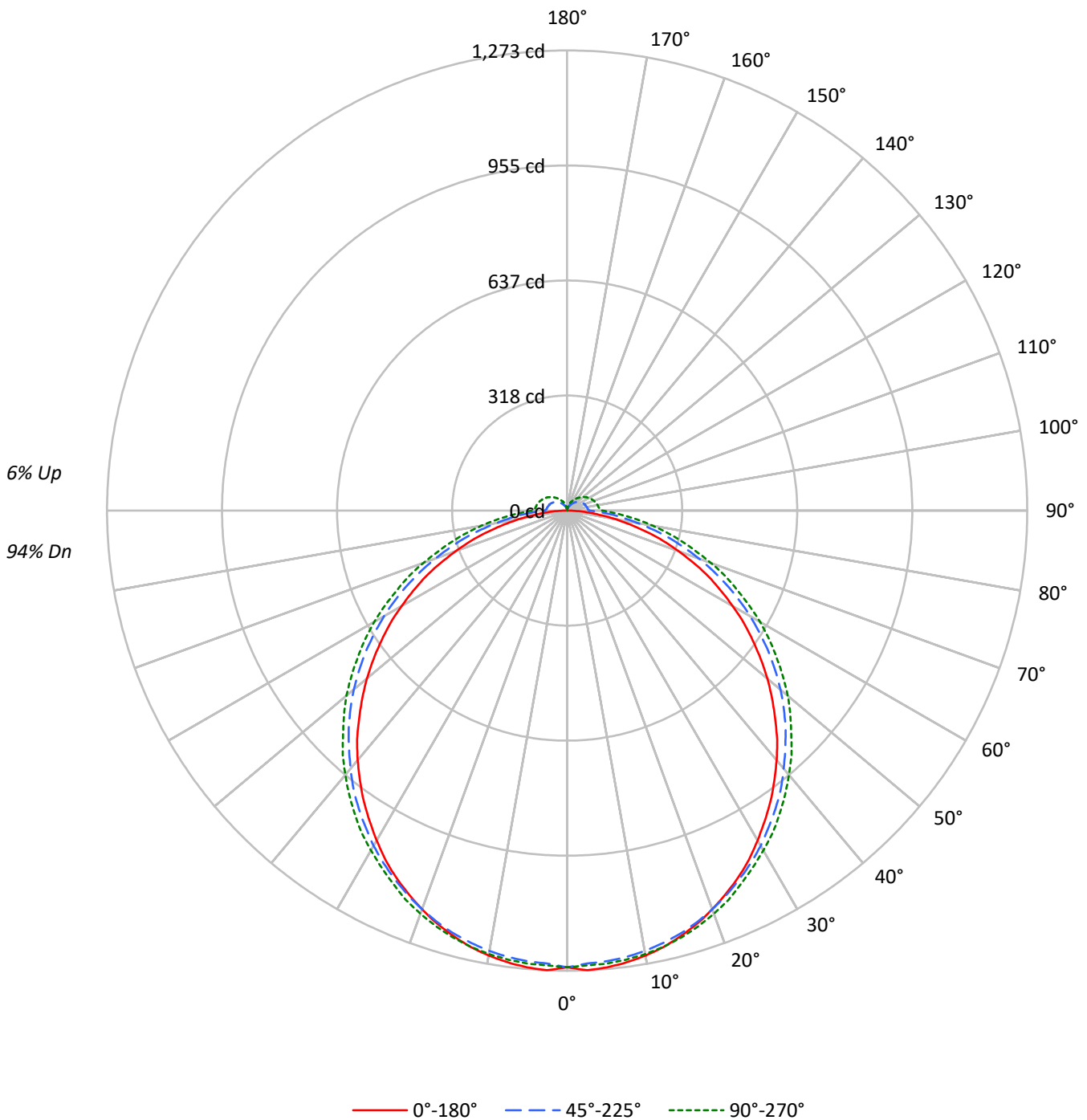
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4015.0 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 27.6
Input Voltage (V): NR
Input Current (A_{in}): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6800	6800	6800
5°	6849	6690	6698
10°	6824	6619	6613
15°	6776	6537	6519
20°	6711	6439	6408
25°	6634	6329	6276
30°	6529	6218	6155
35°	6423	6088	6028
40°	6306	5943	5886
45°	6159	5800	5720
50°	6017	5637	5567
55°	5841	5434	5356
60°	5643	5204	5149
65°	5436	4927	4862
70°	5075	4579	4566
75°	4640	4170	4211
80°	4004	3627	3818
85°	3235	3161	3354



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	3.0
10°-20°	343.8	8.6
20°-30°	521.1	13.0
30°-40°	629.0	15.7
40°-50°	656.9	16.4
50°-60°	603.4	15.0
60°-70°	477.2	11.9
70°-80°	302.0	7.5
80°-90°	129.8	3.2
90°-100°	57.1	1.4
100°-110°	51.1	1.3
110°-120°	43.2	1.1
120°-130°	33.7	0.8
130°-140°	23.3	0.6
140°-150°	14.0	0.3
150°-160°	6.8	0.2
160°-170°	2.4	0.1
170°-180°	0.3	0.0
0°-30°	984.7	24.5
0°-40°	1613.7	40.2
0°-60°	2874.0	71.6
0°-90°	3783.0	94.2
90°-120°	151.5	3.8
90°-150°	222.4	5.5
90°-180°	232.0	5.8
0°-180°	4015.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1263	1263	1263	1263	1263	
5°	1268	1265	1251	1262	1258	120
15°	1218	1218	1212	1224	1222	344
25°	1120	1125	1126	1141	1139	516
35°	981	993	1005	1021	1024	613
45°	813	833	855	871	877	628
55°	627	653	680	702	707	561
65°	432	456	488	510	518	425
75°	228	254	292	316	328	241
85°	56	85	122	149	158	61
90°	4	31	63	88	97	5
95°	1	26	57	80	88	1
105°	1	24	53	75	82	1
115°	1	21	48	68	75	1
125°	1	18	40	58	65	1
135°	1	14	33	46	52	1
145°	1	11	23	35	38	1
155°	1	7	15	22	26	1
165°	2	5	8	11	15	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1263.4	1263.4	1263.4	1263.4	1263.4
2.5°	1272.7	1268.4	1254.2	1264.2	1259.2
5°	1268.4	1264.9	1251.4	1262.0	1257.8
7.5°	1260.6	1257.8	1245.7	1257.0	1252.8
10°	1249.9	1247.8	1237.1	1248.5	1245.7
12.5°	1236.4	1235.7	1225.1	1237.8	1235.7
15°	1217.9	1217.9	1211.5	1224.3	1222.2
17.5°	1198.0	1198.7	1193.8	1207.3	1205.9
20°	1173.9	1177.4	1173.9	1188.1	1186.7
22.5°	1147.6	1152.5	1151.1	1165.3	1166.0
25°	1119.8	1124.8	1126.2	1141.2	1139.0
27.5°	1089.3	1097.1	1099.9	1113.4	1112.7
30°	1053.7	1064.4	1070.8	1082.1	1085.7
32.5°	1017.4	1030.2	1038.1	1053.7	1058.0
35°	981.2	992.6	1005.4	1021.0	1024.5
37.5°	941.4	954.2	971.2	986.2	990.4
40°	901.5	915.8	932.1	948.5	954.9
42.5°	860.3	875.2	893.0	912.2	918.6
45°	813.4	833.3	854.6	871.0	876.7
47.5°	768.6	790.6	813.4	831.2	837.6
50°	723.1	746.5	770.7	787.1	797.0
52.5°	675.4	701.0	725.2	745.8	752.2
55°	627.1	652.7	679.7	701.8	706.7
57.5°	580.2	605.1	632.1	652.7	662.7
60°	529.0	556.0	585.2	605.8	616.4
62.5°	479.2	505.5	536.8	558.8	567.4
65°	431.6	455.8	487.7	510.5	518.3
67.5°	379.0	406.7	437.3	463.6	473.5
70°	327.1	353.4	388.2	413.1	423.0
72.5°	278.7	304.3	339.1	364.0	373.3
75°	227.5	254.5	291.5	316.4	328.5
77.5°	178.5	208.3	243.9	270.9	284.4
80°	133.0	159.3	197.7	227.5	239.6
82.5°	90.3	118.7	158.6	186.3	199.8
85°	55.5	85.3	122.3	148.6	157.8
87.5°	26.3	54.7	88.9	114.5	125.8
90°	3.6	30.6	62.6	87.5	96.7
92.5°	0.7	26.3	57.6	81.1	89.6
95°	0.7	26.3	56.9	79.6	88.2
97.5°	0.7	25.6	56.2	78.9	86.7
100°	0.7	24.9	55.5	77.5	86.0
102.5°	0.7	24.9	54.0	76.1	83.9
105°	0.7	24.2	53.3	74.7	82.5
107.5°	0.7	23.5	51.9	73.2	81.1
110°	0.7	22.0	51.2	71.1	78.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	21.3	49.8	69.7	76.8
115°	0.7	20.6	48.3	67.5	74.7
117.5°	0.7	19.9	46.2	65.4	72.5
120°	1.4	19.9	44.8	63.3	69.7
122.5°	1.4	19.2	42.7	60.4	66.8
125°	1.4	18.5	40.5	58.3	64.7
127.5°	1.4	17.8	38.4	55.5	61.1
130°	1.4	16.4	37.0	52.6	58.3
132.5°	1.4	15.6	34.8	49.1	54.7
135°	1.4	14.2	32.7	46.2	51.9
137.5°	1.4	13.5	30.6	43.4	48.3
140°	1.4	12.8	27.7	40.5	45.5
142.5°	1.4	11.4	25.6	37.7	41.9
145°	1.4	10.7	22.8	34.8	38.4
147.5°	1.4	9.2	20.6	32.0	35.5
150°	1.4	8.5	18.5	29.2	32.7
152.5°	1.4	7.8	16.4	25.6	29.2
155°	1.4	7.1	14.9	22.0	26.3
157.5°	1.4	6.4	12.8	19.2	23.5
160°	2.1	5.7	11.4	16.4	19.9
162.5°	2.1	5.0	9.2	13.5	17.8
165°	2.1	5.0	7.8	10.7	14.9
167.5°	2.1	4.3	6.4	8.5	12.1
170°	2.1	3.6	5.7	6.4	9.2
172.5°	2.1	2.8	4.3	4.3	5.0
175°	2.1	2.8	3.6	3.6	2.1
177.5°	2.1	2.1	2.1	2.1	1.4
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)