

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: P566470

Luminaire Tested: **4SNX-48SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566470
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: 4SNX-48SL-FDL-UNV-L830-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

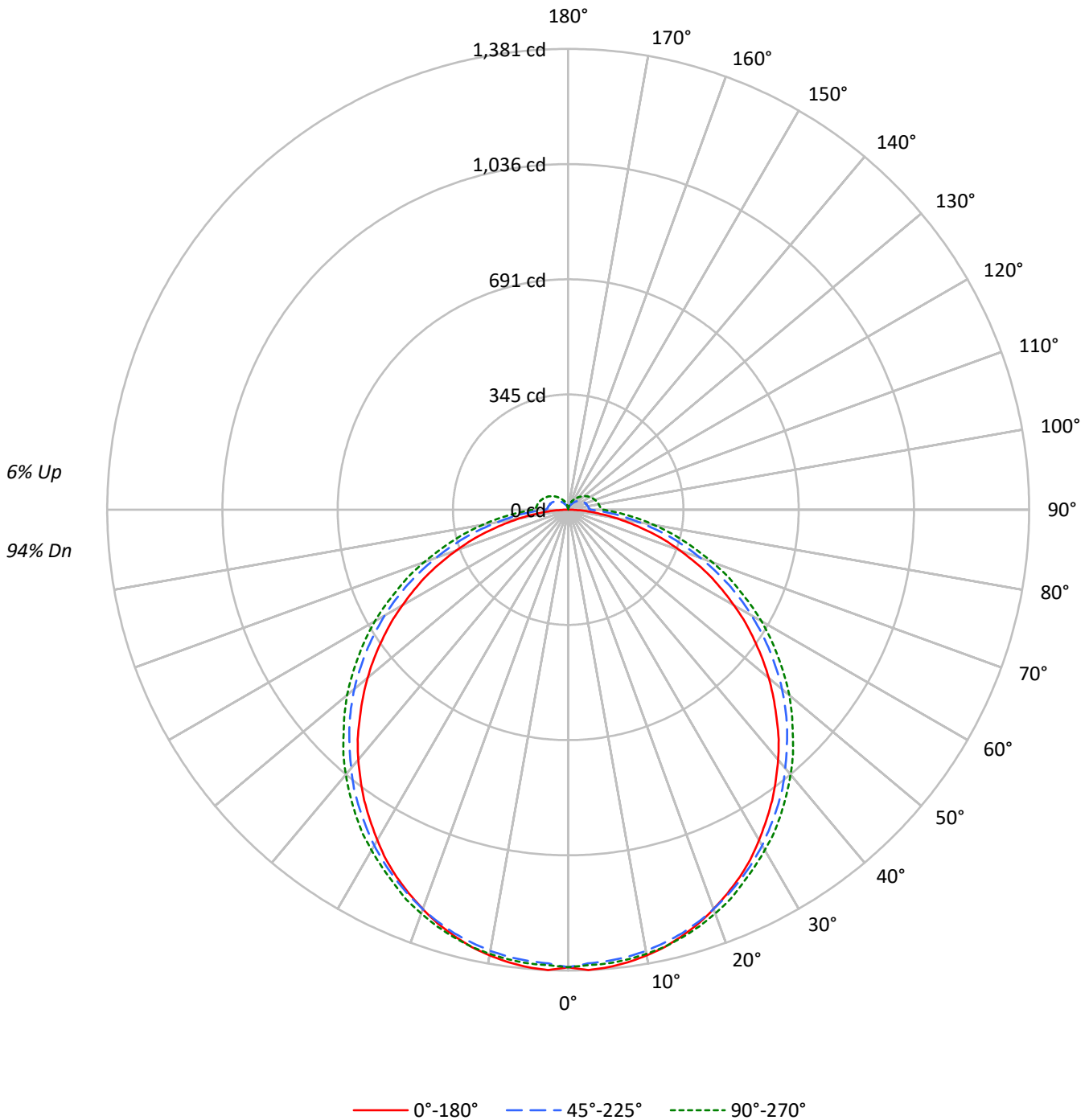
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4357.0 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 32.1
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14758	14758	14758
5°	14860	14513	14536
10°	14798	14356	14353
15°	14688	14175	14148
20°	14536	13955	13907
25°	14363	13715	13621
30°	14128	13469	13359
35°	13890	13180	13083
40°	13627	12862	12774
45°	13298	12546	12412
50°	12979	12187	12083
55°	12583	11742	11625
60°	12138	11234	11174
65°	11667	10627	10554
70°	10858	9865	9910
75°	9884	8965	9141
80°	8446	7775	8285
85°	6644	6741	7283



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	3.0
10°-20°	373.1	8.6
20°-30°	565.4	13.0
30°-40°	682.6	15.7
40°-50°	712.8	16.4
50°-60°	654.8	15.0
60°-70°	517.8	11.9
70°-80°	327.7	7.5
80°-90°	140.9	3.2
90°-100°	62.0	1.4
100°-110°	55.5	1.3
110°-120°	46.9	1.1
120°-130°	36.5	0.8
130°-140°	25.3	0.6
140°-150°	15.2	0.3
150°-160°	7.4	0.2
160°-170°	2.6	0.1
170°-180°	0.4	0.0
0°-30°	1068.6	24.5
0°-40°	1751.2	40.2
0°-60°	3118.8	71.6
0°-90°	4105.3	94.2
90°-120°	164.4	3.8
90°-150°	241.4	5.5
90°-180°	252.0	5.8
0°-180°	4357.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1371	1371	1371	1371	1371	
5°	1376	1373	1358	1370	1365	131
15°	1322	1322	1315	1329	1326	373
25°	1215	1221	1222	1238	1236	560
35°	1065	1077	1091	1108	1112	666
45°	883	904	927	945	951	682
55°	680	708	738	762	767	609
65°	468	495	529	554	562	461
75°	247	276	316	343	356	262
85°	60	93	133	161	171	67
90°	4	33	68	95	105	5
95°	1	28	62	86	96	1
105°	1	26	58	81	90	1
115°	1	22	52	73	81	1
125°	2	20	44	63	70	1
135°	2	15	36	50	56	1
145°	2	12	25	38	42	1
155°	2	8	16	24	28	1
165°	2	5	8	12	16	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4SNX-48SL-FDL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1371.1	1371.1	1371.1	1371.1	1371.1
2.5°	1381.1	1376.5	1361.0	1371.8	1366.4
5°	1376.5	1372.6	1357.9	1369.5	1364.9
7.5°	1368.0	1364.9	1351.8	1364.1	1359.5
10°	1356.4	1354.1	1342.5	1354.9	1351.8
12.5°	1341.7	1341.0	1329.4	1343.3	1341.0
15°	1321.7	1321.7	1314.7	1328.6	1326.3
17.5°	1300.1	1300.9	1295.5	1310.1	1308.6
20°	1273.8	1277.7	1273.8	1289.3	1287.7
22.5°	1245.3	1250.7	1249.2	1264.6	1265.4
25°	1215.2	1220.6	1222.2	1238.4	1236.0
27.5°	1182.0	1190.5	1193.6	1208.3	1207.5
30°	1143.5	1155.0	1162.0	1174.3	1178.2
32.5°	1104.1	1118.0	1126.5	1143.5	1148.1
35°	1064.8	1077.1	1091.0	1108.0	1111.8
37.5°	1021.5	1035.4	1054.0	1070.2	1074.8
40°	978.3	993.8	1011.5	1029.3	1036.2
42.5°	933.6	949.8	969.1	989.9	996.9
45°	882.7	904.3	927.4	945.2	951.3
47.5°	834.1	858.0	882.7	902.0	908.9
50°	784.7	810.1	836.4	854.1	864.9
52.5°	733.0	760.8	787.0	809.4	816.3
55°	680.5	708.3	737.6	761.5	766.9
57.5°	629.6	656.6	685.9	708.3	719.1
60°	574.0	603.4	635.0	657.4	668.9
62.5°	520.0	548.6	582.5	606.4	615.7
65°	468.3	494.6	529.3	554.0	562.5
67.5°	411.2	441.3	474.5	503.1	513.9
70°	354.9	383.5	421.3	448.3	459.1
72.5°	302.5	330.2	368.0	395.0	405.1
75°	246.9	276.2	316.3	343.3	356.5
77.5°	193.7	226.1	264.6	294.0	308.6
80°	144.3	172.8	214.5	246.9	260.0
82.5°	98.0	128.9	172.1	202.1	216.8
85°	60.2	92.6	132.7	161.3	171.3
87.5°	28.5	59.4	96.4	124.2	136.6
90°	3.9	33.2	67.9	94.9	104.9
92.5°	0.8	28.5	62.5	88.0	97.2
95°	0.8	28.5	61.7	86.4	95.7
97.5°	0.8	27.8	61.0	85.6	94.1
100°	0.8	27.0	60.2	84.1	93.4
102.5°	0.8	27.0	58.6	82.6	91.0
105°	0.8	26.2	57.9	81.0	89.5
107.5°	0.8	25.5	56.3	79.5	88.0
110°	0.8	23.9	55.6	77.2	85.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	23.1	54.0	75.6	83.3
115°	0.8	22.4	52.5	73.3	81.0
117.5°	0.8	21.6	50.2	71.0	78.7
120°	1.5	21.6	48.6	68.7	75.6
122.5°	1.5	20.8	46.3	65.6	72.5
125°	1.5	20.1	44.0	63.3	70.2
127.5°	1.5	19.3	41.7	60.2	66.4
130°	1.5	17.7	40.1	57.1	63.3
132.5°	1.5	17.0	37.8	53.2	59.4
135°	1.5	15.4	35.5	50.2	56.3
137.5°	1.5	14.7	33.2	47.1	52.5
140°	1.5	13.9	30.1	44.0	49.4
142.5°	1.5	12.3	27.8	40.9	45.5
145°	1.5	11.6	24.7	37.8	41.7
147.5°	1.5	10.0	22.4	34.7	38.6
150°	1.5	9.3	20.1	31.6	35.5
152.5°	1.5	8.5	17.7	27.8	31.6
155°	1.5	7.7	16.2	23.9	28.5
157.5°	1.5	6.9	13.9	20.8	25.5
160°	2.3	6.2	12.3	17.7	21.6
162.5°	2.3	5.4	10.0	14.7	19.3
165°	2.3	5.4	8.5	11.6	16.2
167.5°	2.3	4.6	6.9	9.3	13.1
170°	2.3	3.9	6.2	6.9	10.0
172.5°	2.3	3.1	4.6	4.6	5.4
175°	2.3	3.1	3.9	3.9	2.3
177.5°	2.3	2.3	2.3	2.3	1.5
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)