

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: P566476

Luminaire Tested: **4SNX-48SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566476
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-L940-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

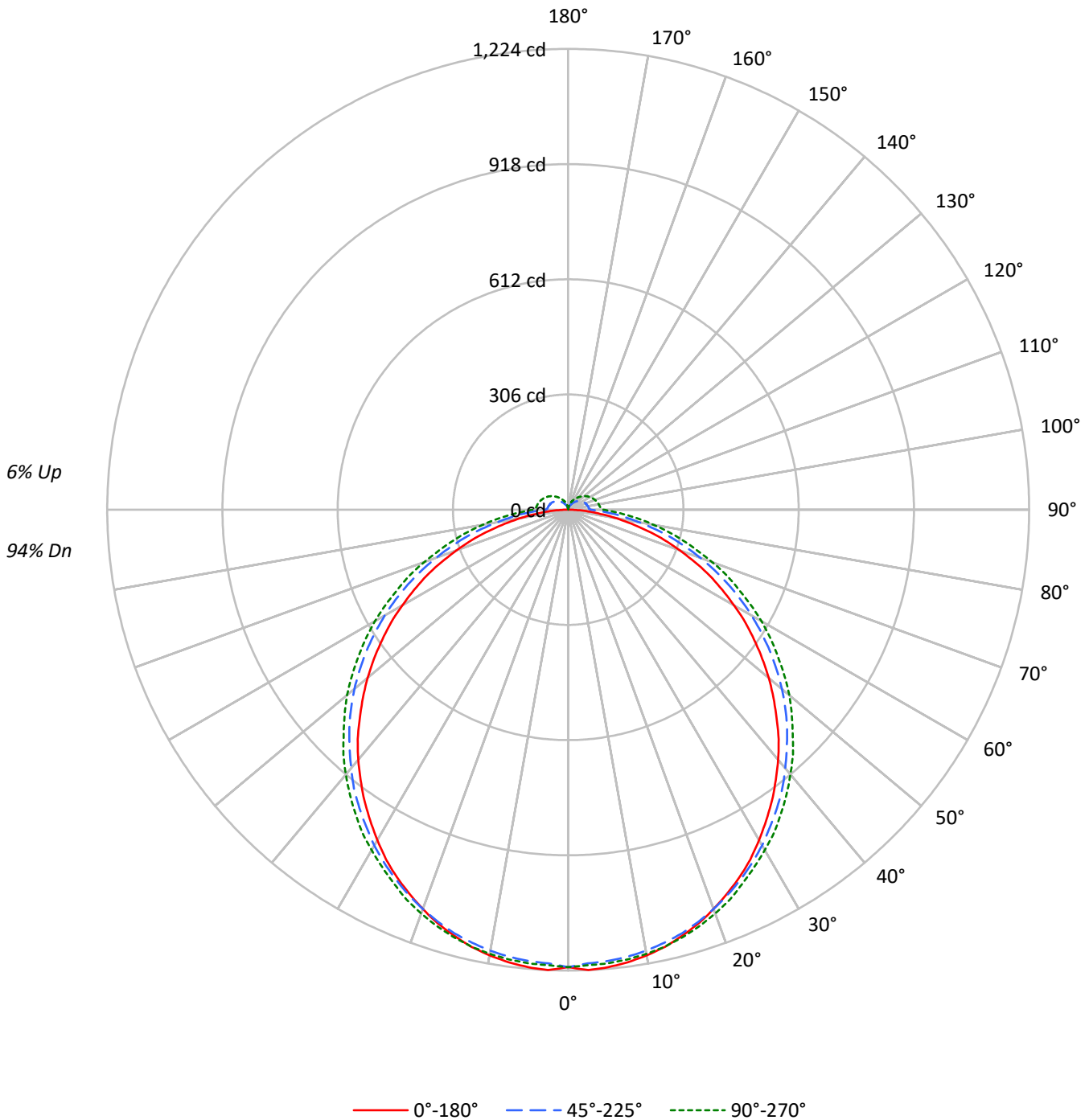
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3861.0 lumens
Efficiency: N/A
Efficacy: 120.3 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°	13078	13078	13078
5°	13168	12862	12881
10°	13114	12722	12719
15°	13015	12562	12537
20°	12881	12366	12323
25°	12728	12153	12070
30°	12519	11935	11838
35°	12308	11680	11594
40°	12077	11398	11319
45°	11784	11118	10999
50°	11502	10800	10709
55°	11150	10405	10302
60°	10757	9955	9903
65°	10339	9417	9352
70°	9622	8741	8781
75°	8759	7945	8100
80°	7486	6890	7342
85°	5882	5974	6454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	3.0
10°-20°	330.6	8.6
20°-30°	501.1	13.0
30°-40°	604.9	15.7
40°-50°	631.7	16.4
50°-60°	580.3	15.0
60°-70°	458.9	11.9
70°-80°	290.4	7.5
80°-90°	124.8	3.2
90°-100°	54.9	1.4
100°-110°	49.2	1.3
110°-120°	41.5	1.1
120°-130°	32.4	0.8
130°-140°	22.4	0.6
140°-150°	13.5	0.3
150°-160°	6.6	0.2
160°-170°	2.3	0.1
170°-180°	0.3	0.0
0°-30°	946.9	24.5
0°-40°	1551.8	40.2
0°-60°	2763.8	71.6
0°-90°	3637.9	94.2
90°-120°	145.7	3.8
90°-150°	213.9	5.5
90°-180°	223.0	5.8
0°-180°	3861.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1215	1215	1215	1215	1215	
5°	1220	1216	1203	1214	1210	116
15°	1171	1171	1165	1177	1175	330
25°	1077	1082	1083	1097	1095	496
35°	944	954	967	982	985	590
45°	782	801	822	838	843	604
55°	603	628	654	675	680	540
65°	415	438	469	491	498	409
75°	219	245	280	304	316	232
85°	53	82	118	143	152	59
90°	3	29	60	84	93	4
95°	1	25	55	77	85	1
105°	1	23	51	72	79	1
115°	1	20	46	65	72	1
125°	1	18	39	56	62	1
135°	1	14	32	44	50	1
145°	1	10	22	34	37	1
155°	1	7	14	21	25	1
165°	2	5	8	10	14	1
175°	2	3	3	3	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566476

CATALOG NUMBER: 4SNX-48SL-FDL-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1215.0	1215.0	1215.0	1215.0	1215.0
2.5°	1223.9	1219.8	1206.1	1215.7	1210.9
5°	1219.8	1216.4	1203.4	1213.6	1209.5
7.5°	1212.2	1209.5	1197.9	1208.8	1204.7
10°	1202.0	1199.9	1189.7	1200.6	1197.9
12.5°	1189.0	1188.3	1178.1	1190.4	1188.3
15°	1171.2	1171.2	1165.1	1177.4	1175.3
17.5°	1152.1	1152.8	1148.0	1161.0	1159.6
20°	1128.8	1132.3	1128.8	1142.5	1141.1
22.5°	1103.5	1108.3	1107.0	1120.6	1121.3
25°	1076.9	1081.7	1083.0	1097.4	1095.3
27.5°	1047.5	1055.0	1057.7	1070.7	1070.0
30°	1013.3	1023.5	1029.7	1040.6	1044.1
32.5°	978.4	990.7	998.2	1013.3	1017.4
35°	943.5	954.5	966.8	981.8	985.3
37.5°	905.3	917.6	934.0	948.3	952.4
40°	867.0	880.6	896.4	912.1	918.2
42.5°	827.3	841.7	858.8	877.2	883.4
45°	782.2	801.3	821.8	837.6	843.0
47.5°	739.1	760.3	782.2	799.3	805.4
50°	695.4	717.9	741.2	756.9	766.5
52.5°	649.5	674.2	697.4	717.2	723.4
55°	603.0	627.7	653.6	674.8	679.6
57.5°	557.9	581.9	607.8	627.7	637.2
60°	508.7	534.7	562.7	582.5	592.8
62.5°	460.8	486.1	516.2	537.4	545.6
65°	415.0	438.3	469.0	490.9	498.4
67.5°	364.4	391.1	420.5	445.8	455.4
70°	314.5	339.8	373.3	397.2	406.8
72.5°	268.0	292.6	326.1	350.1	359.0
75°	218.8	244.8	280.3	304.3	315.9
77.5°	171.6	200.3	234.5	260.5	273.5
80°	127.9	153.2	190.1	218.8	230.4
82.5°	86.8	114.2	152.5	179.1	192.1
85°	53.3	82.0	117.6	142.9	151.8
87.5°	25.3	52.6	85.5	110.1	121.0
90°	3.4	29.4	60.2	84.1	93.0
92.5°	0.7	25.3	55.4	77.9	86.1
95°	0.7	25.3	54.7	76.6	84.8
97.5°	0.7	24.6	54.0	75.9	83.4
100°	0.7	23.9	53.3	74.5	82.7
102.5°	0.7	23.9	52.0	73.2	80.7
105°	0.7	23.2	51.3	71.8	79.3
107.5°	0.7	22.6	49.9	70.4	77.9
110°	0.7	21.2	49.2	68.4	75.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	20.5	47.9	67.0	73.8
115°	0.7	19.8	46.5	65.0	71.8
117.5°	0.7	19.1	44.4	62.9	69.7
120°	1.4	19.1	43.1	60.9	67.0
122.5°	1.4	18.5	41.0	58.1	64.3
125°	1.4	17.8	39.0	56.1	62.2
127.5°	1.4	17.1	36.9	53.3	58.8
130°	1.4	15.7	35.6	50.6	56.1
132.5°	1.4	15.0	33.5	47.2	52.6
135°	1.4	13.7	31.5	44.4	49.9
137.5°	1.4	13.0	29.4	41.7	46.5
140°	1.4	12.3	26.7	39.0	43.8
142.5°	1.4	10.9	24.6	36.2	40.3
145°	1.4	10.3	21.9	33.5	36.9
147.5°	1.4	8.9	19.8	30.8	34.2
150°	1.4	8.2	17.8	28.0	31.5
152.5°	1.4	7.5	15.7	24.6	28.0
155°	1.4	6.8	14.4	21.2	25.3
157.5°	1.4	6.2	12.3	18.5	22.6
160°	2.1	5.5	10.9	15.7	19.1
162.5°	2.1	4.8	8.9	13.0	17.1
165°	2.1	4.8	7.5	10.3	14.4
167.5°	2.1	4.1	6.2	8.2	11.6
170°	2.1	3.4	5.5	6.2	8.9
172.5°	2.1	2.7	4.1	4.1	4.8
175°	2.1	2.7	3.4	3.4	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)