

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: P566503

Luminaire Tested: **4SNX-48SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566503
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-48SL-SLW-UNV-L835-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

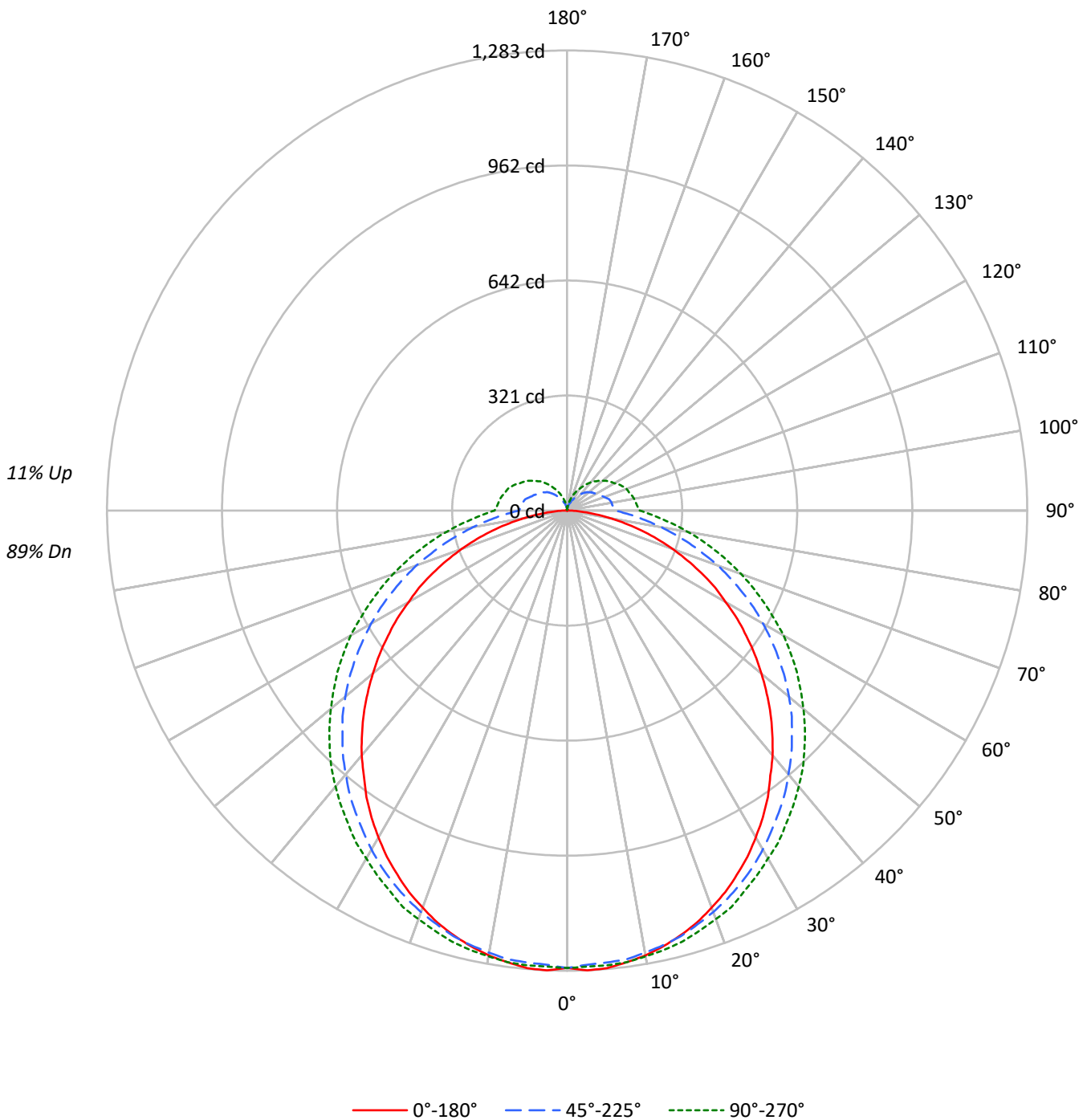
Lumens per Lamp: N/A
Luminaire Lumens: 4540.0 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 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	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°	13727	13727	13727
5°	13812	13374	13363
10°	13716	13104	13032
15°	13579	12827	12727
20°	13393	12509	12388
25°	13177	12198	12034
30°	12918	11855	11684
35°	12635	11501	11354
40°	12311	11152	11039
45°	11960	10796	10698
50°	11558	10420	10316
55°	11118	9970	9942
60°	10600	9487	9524
65°	10066	8944	8998
70°	9316	8347	8483
75°	8322	7588	7913
80°	6711	6818	7349
85°	4722	6157	6772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.1	2.7
10°-20°	348.2	7.7
20°-30°	529.4	11.7
30°-40°	642.6	14.2
40°-50°	679.1	15.0
50°-60°	635.5	14.0
60°-70°	521.4	11.5
70°-80°	358.6	7.9
80°-90°	196.4	4.3
90°-100°	126.5	2.8
100°-110°	113.5	2.5
110°-120°	93.9	2.1
120°-130°	72.3	1.6
130°-140°	50.8	1.1
140°-150°	30.6	0.7
150°-160°	14.7	0.3
160°-170°	4.8	0.1
170°-180°	0.6	0.0
0°-30°	998.7	22.0
0°-40°	1641.3	36.2
0°-60°	2955.9	65.1
0°-90°	4032.3	88.8
90°-120°	333.9	7.4
90°-150°	487.7	10.7
90°-180°	508.0	11.2
0°-180°	4540.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1275	1275	1275	1275	1275	
5°	1281	1278	1265	1275	1273	121
15°	1225	1231	1228	1244	1244	346
25°	1120	1133	1146	1170	1170	516
35°	976	999	1028	1057	1065	609
45°	802	839	886	926	936	618
55°	610	660	720	765	781	546
65°	413	468	539	589	605	409
75°	216	274	352	408	426	227
85°	47	113	192	244	263	55
90°	0	63	134	184	202	3
95°	0	60	129	176	195	0
105°	0	50	121	166	181	2
115°	3	45	102	147	166	3
125°	3	37	87	126	142	2
135°	3	29	71	102	116	2
145°	3	21	50	79	87	2
155°	3	13	32	50	58	1
165°	3	8	16	24	29	1
175°	3	3	5	5	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1275.3	1275.3	1275.3	1275.3	1275.3
2.5°	1283.2	1280.6	1267.4	1277.9	1272.7
5°	1280.6	1277.9	1264.8	1275.3	1272.7
7.5°	1270.0	1270.0	1262.1	1272.7	1270.0
10°	1259.5	1259.5	1251.6	1264.8	1262.1
12.5°	1243.7	1246.4	1241.1	1256.9	1254.3
15°	1225.3	1230.6	1228.0	1243.7	1243.7
17.5°	1204.3	1209.6	1209.6	1228.0	1228.0
20°	1178.0	1185.9	1191.2	1212.2	1212.2
22.5°	1151.7	1162.2	1170.1	1188.5	1196.4
25°	1120.2	1133.3	1146.5	1170.1	1170.1
27.5°	1088.6	1104.4	1120.2	1143.8	1146.5
30°	1051.8	1070.2	1091.2	1114.9	1120.2
32.5°	1015.0	1038.6	1059.7	1088.6	1096.5
35°	975.5	999.2	1028.1	1057.0	1064.9
37.5°	930.8	959.8	996.6	1028.1	1036.0
40°	891.4	922.9	959.8	996.6	1004.5
42.5°	846.7	880.9	925.6	959.8	972.9
45°	802.0	838.8	886.1	925.6	936.1
47.5°	754.7	796.7	849.3	886.1	899.3
50°	707.3	752.0	807.2	849.3	859.8
52.5°	660.0	707.3	765.2	807.2	820.4
55°	610.0	660.0	720.5	765.2	781.0
57.5°	562.7	612.7	675.8	723.1	738.9
60°	510.1	568.0	631.1	678.4	696.8
62.5°	465.4	518.0	586.4	633.7	649.5
65°	412.8	468.0	539.0	589.0	604.8
67.5°	362.9	420.7	491.7	544.3	560.1
70°	312.9	370.8	447.0	497.0	515.4
72.5°	262.9	323.4	397.1	452.3	470.7
75°	215.6	273.5	352.3	407.6	426.0
77.5°	165.7	228.8	307.6	362.9	383.9
80°	121.0	186.7	265.6	320.8	341.8
82.5°	81.5	147.3	226.1	281.4	302.4
85°	47.3	113.1	192.0	244.5	262.9
87.5°	23.7	86.8	160.4	213.0	231.4
90°	0.0	63.1	134.1	184.1	202.5
92.5°	0.0	60.5	131.5	178.8	197.2
95°	0.0	60.5	128.8	176.2	194.6
97.5°	0.0	57.8	126.2	176.2	192.0
100°	0.0	55.2	126.2	173.5	189.3
102.5°	0.0	52.6	123.6	170.9	186.7
105°	0.0	50.0	121.0	165.7	181.4
107.5°	2.6	50.0	115.7	163.0	178.8
110°	2.6	47.3	110.4	160.4	176.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	44.7	105.2	155.1	170.9
115°	2.6	44.7	102.5	147.3	165.7
117.5°	2.6	42.1	97.3	142.0	160.4
120°	2.6	42.1	94.7	136.7	152.5
122.5°	2.6	39.4	89.4	131.5	147.3
125°	2.6	36.8	86.8	126.2	142.0
127.5°	2.6	34.2	84.1	121.0	136.7
130°	2.6	31.6	78.9	115.7	128.8
132.5°	2.6	31.6	76.3	107.8	123.6
135°	2.6	28.9	71.0	102.5	115.7
137.5°	2.6	26.3	65.7	97.3	110.4
140°	2.6	23.7	60.5	92.0	102.5
142.5°	2.6	23.7	55.2	84.1	94.7
145°	2.6	21.0	50.0	78.9	86.8
147.5°	2.6	18.4	44.7	71.0	78.9
150°	2.6	18.4	39.4	63.1	71.0
152.5°	2.6	15.8	34.2	57.8	65.7
155°	2.6	13.1	31.6	50.0	57.8
157.5°	2.6	13.1	26.3	42.1	50.0
160°	2.6	10.5	23.7	34.2	42.1
162.5°	2.6	10.5	21.0	28.9	36.8
165°	2.6	7.9	15.8	23.7	28.9
167.5°	2.6	7.9	13.1	18.4	23.7
170°	2.6	5.3	10.5	13.1	18.4
172.5°	2.6	5.3	7.9	7.9	7.9
175°	2.6	2.6	5.3	5.3	2.6
177.5°	2.6	2.6	2.6	2.6	2.6
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)