

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: P566504

Luminaire Tested: **4SNX-48SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566504
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-L840-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

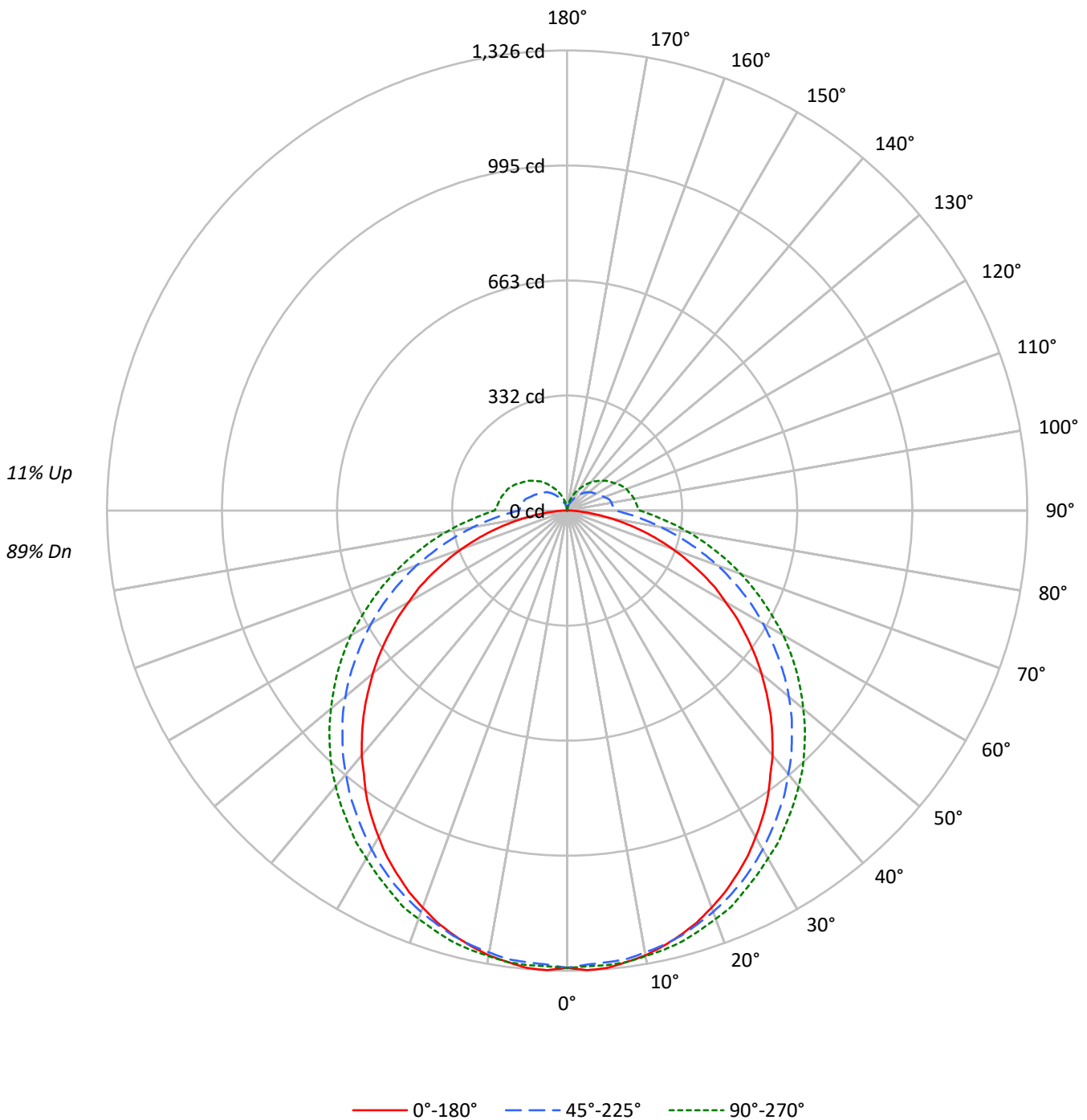
Lumens per Lamp: N/A
Luminaire Lumens: 4690.0 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 32.1
Input Voltage (V): NR
Input Current (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	77	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°	14180	14180	14180
5°	14268	13816	13804
10°	14169	13537	13463
15°	14028	13250	13148
20°	13835	12922	12797
25°	13612	12600	12432
30°	13344	12248	12069
35°	13053	11881	11729
40°	12717	11521	11403
45°	12355	11153	11051
50°	11941	10764	10657
55°	11486	10299	10271
60°	10952	9800	9838
65°	10400	9241	9295
70°	9623	8624	8763
75°	8596	7840	8173
80°	6933	7044	7592
85°	4881	6359	6996



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	2.7
10°-20°	359.7	7.7
20°-30°	546.9	11.7
30°-40°	663.9	14.2
40°-50°	701.5	15.0
50°-60°	656.5	14.0
60°-70°	538.6	11.5
70°-80°	370.5	7.9
80°-90°	202.9	4.3
90°-100°	130.6	2.8
100°-110°	117.2	2.5
110°-120°	97.0	2.1
120°-130°	74.7	1.6
130°-140°	52.5	1.1
140°-150°	31.6	0.7
150°-160°	15.1	0.3
160°-170°	5.0	0.1
170°-180°	0.6	0.0
0°-30°	1031.7	22.0
0°-40°	1695.6	36.2
0°-60°	3053.5	65.1
0°-90°	4165.5	88.8
90°-120°	344.9	7.4
90°-150°	503.8	10.7
90°-180°	524.0	11.2
0°-180°	4690.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1317	1317	1317	1317	1317	
5°	1323	1320	1307	1317	1315	125
15°	1266	1271	1268	1285	1285	357
25°	1157	1171	1184	1209	1209	533
35°	1008	1032	1062	1092	1100	630
45°	828	866	915	956	967	639
55°	630	682	744	790	807	564
65°	426	484	557	608	625	422
75°	223	282	364	421	440	234
85°	49	117	198	253	272	57
90°	0	65	138	190	209	3
95°	0	62	133	182	201	0
105°	0	52	125	171	187	2
115°	3	46	106	152	171	3
125°	3	38	90	130	147	2
135°	3	30	73	106	120	2
145°	3	22	52	82	90	2
155°	3	14	33	52	60	1
165°	3	8	16	24	30	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°	1317.4	1317.4	1317.4	1317.4	1317.4
2.5°	1325.6	1322.9	1309.3	1320.1	1314.7
5°	1322.9	1320.1	1306.6	1317.4	1314.7
7.5°	1312.0	1312.0	1303.9	1314.7	1312.0
10°	1301.1	1301.1	1293.0	1306.6	1303.9
12.5°	1284.8	1287.6	1282.1	1298.4	1295.7
15°	1265.8	1271.3	1268.5	1284.8	1284.8
17.5°	1244.1	1249.5	1249.5	1268.5	1268.5
20°	1216.9	1225.1	1230.5	1252.2	1252.2
22.5°	1189.8	1200.6	1208.8	1227.8	1235.9
25°	1157.2	1170.7	1184.3	1208.8	1208.8
27.5°	1124.6	1140.9	1157.2	1181.6	1184.3
30°	1086.5	1105.6	1127.3	1151.7	1157.2
32.5°	1048.5	1073.0	1094.7	1124.6	1132.7
35°	1007.8	1032.2	1062.1	1092.0	1100.1
37.5°	961.6	991.5	1029.5	1062.1	1070.2
40°	920.8	953.4	991.5	1029.5	1037.6
42.5°	874.7	910.0	956.2	991.5	1005.1
45°	828.5	866.5	915.4	956.2	967.0
47.5°	779.6	823.1	877.4	915.4	929.0
50°	730.7	776.9	833.9	877.4	888.2
52.5°	681.8	730.7	790.5	833.9	847.5
55°	630.2	681.8	744.3	790.5	806.8
57.5°	581.3	632.9	698.1	747.0	763.3
60°	527.0	586.7	651.9	700.8	719.8
62.5°	480.8	535.1	605.7	654.6	670.9
65°	426.5	483.5	556.9	608.5	624.8
67.5°	374.9	434.6	508.0	562.3	578.6
70°	323.2	383.0	461.8	513.4	532.4
72.5°	271.6	334.1	410.2	467.2	486.2
75°	222.7	282.5	364.0	421.0	440.0
77.5°	171.1	236.3	317.8	374.9	396.6
80°	125.0	192.9	274.4	331.4	353.1
82.5°	84.2	152.1	233.6	290.6	312.4
85°	48.9	116.8	198.3	252.6	271.6
87.5°	24.4	89.6	165.7	220.0	239.0
90°	0.0	65.2	138.5	190.1	209.2
92.5°	0.0	62.5	135.8	184.7	203.7
95°	0.0	62.5	133.1	182.0	201.0
97.5°	0.0	59.8	130.4	182.0	198.3
100°	0.0	57.0	130.4	179.3	195.6
102.5°	0.0	54.3	127.7	176.6	192.9
105°	0.0	51.6	125.0	171.1	187.4
107.5°	2.7	51.6	119.5	168.4	184.7
110°	2.7	48.9	114.1	165.7	182.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	46.2	108.7	160.3	176.6
115°	2.7	46.2	105.9	152.1	171.1
117.5°	2.7	43.5	100.5	146.7	165.7
120°	2.7	43.5	97.8	141.3	157.5
122.5°	2.7	40.7	92.4	135.8	152.1
125°	2.7	38.0	89.6	130.4	146.7
127.5°	2.7	35.3	86.9	125.0	141.3
130°	2.7	32.6	81.5	119.5	133.1
132.5°	2.7	32.6	78.8	111.4	127.7
135°	2.7	29.9	73.3	105.9	119.5
137.5°	2.7	27.2	67.9	100.5	114.1
140°	2.7	24.4	62.5	95.1	105.9
142.5°	2.7	24.4	57.0	86.9	97.8
145°	2.7	21.7	51.6	81.5	89.6
147.5°	2.7	19.0	46.2	73.3	81.5
150°	2.7	19.0	40.7	65.2	73.3
152.5°	2.7	16.3	35.3	59.8	67.9
155°	2.7	13.6	32.6	51.6	59.8
157.5°	2.7	13.6	27.2	43.5	51.6
160°	2.7	10.9	24.4	35.3	43.5
162.5°	2.7	10.9	21.7	29.9	38.0
165°	2.7	8.1	16.3	24.4	29.9
167.5°	2.7	8.1	13.6	19.0	24.4
170°	2.7	5.4	10.9	13.6	19.0
172.5°	2.7	5.4	8.1	8.1	8.1
175°	2.7	2.7	5.4	5.4	2.7
177.5°	2.7	2.7	2.7	2.7	2.7
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)