

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: P566550

Luminaire Tested: **4SNX-51SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566550
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-51SL-SLW-UNV-L830-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

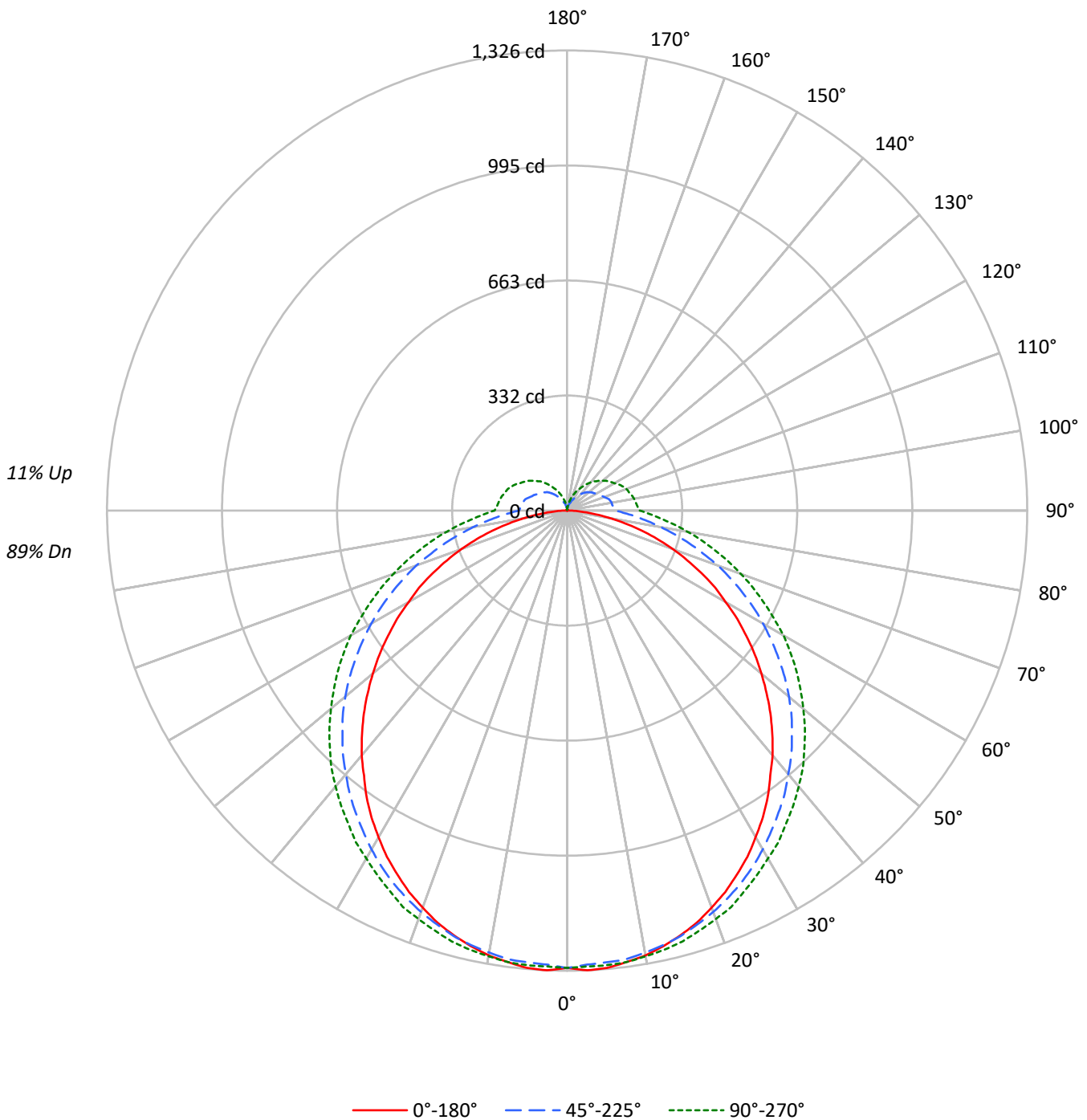
Lumens per Lamp: N/A
Luminaire Lumens: 4691.0 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 35
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	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°	14184	14184	14184
5°	14270	13818	13808
10°	14172	13540	13465
15°	14031	13253	13151
20°	13838	12925	12800
25°	13614	12603	12434
30°	13348	12250	12072
35°	13056	11883	11732
40°	12720	11523	11406
45°	12358	11155	11053
50°	11944	10767	10659
55°	11488	10300	10272
60°	10954	9803	9841
65°	10402	9243	9297
70°	9626	8626	8764
75°	8600	7842	8175
80°	6933	7044	7594
85°	4881	6359	6998



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.2	2.7
10°-20°	359.7	7.7
20°-30°	547.0	11.7
30°-40°	664.0	14.2
40°-50°	701.7	15.0
50°-60°	656.6	14.0
60°-70°	538.7	11.5
70°-80°	370.6	7.9
80°-90°	202.9	4.3
90°-100°	130.7	2.8
100°-110°	117.3	2.5
110°-120°	97.1	2.1
120°-130°	74.7	1.6
130°-140°	52.5	1.1
140°-150°	31.6	0.7
150°-160°	15.2	0.3
160°-170°	5.0	0.1
170°-180°	0.6	0.0
0°-30°	1031.9	22.0
0°-40°	1695.9	36.2
0°-60°	3054.2	65.1
0°-90°	4166.4	88.8
90°-120°	345.0	7.4
90°-150°	503.9	10.7
90°-180°	525.0	11.2
0°-180°	4691.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1323	1320	1307	1318	1315	125
15°	1266	1272	1269	1285	1285	357
25°	1157	1171	1185	1209	1209	533
35°	1008	1032	1062	1092	1100	630
45°	829	867	916	956	967	639
55°	630	682	744	791	807	564
65°	427	484	557	609	625	422
75°	223	283	364	421	440	235
85°	49	117	198	253	272	57
90°	0	65	139	190	209	3
95°	0	62	133	182	201	0
105°	0	52	125	171	188	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°	1317.7	1317.7	1317.7	1317.7	1317.7
2.5°	1325.9	1323.1	1309.6	1320.4	1315.0
5°	1323.1	1320.4	1306.8	1317.7	1315.0
7.5°	1312.3	1312.3	1304.1	1315.0	1312.3
10°	1301.4	1301.4	1293.3	1306.8	1304.1
12.5°	1285.1	1287.8	1282.4	1298.7	1296.0
15°	1266.1	1271.5	1268.8	1285.1	1285.1
17.5°	1244.4	1249.8	1249.8	1268.8	1268.8
20°	1217.2	1225.3	1230.8	1252.5	1252.5
22.5°	1190.0	1200.9	1209.0	1228.1	1236.2
25°	1157.4	1171.0	1184.6	1209.0	1209.0
27.5°	1124.8	1141.1	1157.4	1181.9	1184.6
30°	1086.8	1105.8	1127.5	1152.0	1157.4
32.5°	1048.7	1073.2	1094.9	1124.8	1133.0
35°	1008.0	1032.4	1062.3	1092.2	1100.4
37.5°	961.8	991.7	1029.7	1062.3	1070.5
40°	921.0	953.6	991.7	1029.7	1037.9
42.5°	874.9	910.2	956.4	991.7	1005.3
45°	828.7	866.7	915.6	956.4	967.2
47.5°	779.8	823.2	877.6	915.6	929.2
50°	730.9	777.0	834.1	877.6	888.4
52.5°	682.0	730.9	790.6	834.1	847.7
55°	630.3	682.0	744.4	790.6	806.9
57.5°	581.4	633.0	698.3	747.2	763.5
60°	527.1	586.9	652.1	701.0	720.0
62.5°	480.9	535.2	605.9	654.8	671.1
65°	426.6	483.6	557.0	608.6	624.9
67.5°	374.9	434.7	508.1	562.4	578.7
70°	323.3	383.1	461.9	513.5	532.5
72.5°	271.7	334.2	410.3	467.3	486.3
75°	222.8	282.6	364.1	421.1	440.1
77.5°	171.2	236.4	317.9	374.9	396.7
80°	125.0	192.9	274.4	331.5	353.2
82.5°	84.2	152.1	233.7	290.7	312.4
85°	48.9	116.8	198.3	252.7	271.7
87.5°	24.5	89.7	165.7	220.1	239.1
90°	0.0	65.2	138.6	190.2	209.2
92.5°	0.0	62.5	135.8	184.8	203.8
95°	0.0	62.5	133.1	182.0	201.1
97.5°	0.0	59.8	130.4	182.0	198.3
100°	0.0	57.1	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	171.2	187.5
107.5°	2.7	51.6	119.5	168.4	184.8
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	106.0	152.1	171.2
117.5°	2.7	43.5	100.5	146.7	165.7
120°	2.7	43.5	97.8	141.3	157.6
122.5°	2.7	40.8	92.4	135.8	152.1
125°	2.7	38.0	89.7	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	73.4	106.0	119.5
137.5°	2.7	27.2	67.9	100.5	114.1
140°	2.7	24.5	62.5	95.1	106.0
142.5°	2.7	24.5	57.1	86.9	97.8
145°	2.7	21.7	51.6	81.5	89.7
147.5°	2.7	19.0	46.2	73.4	81.5
150°	2.7	19.0	40.8	65.2	73.4
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	24.5	35.3	43.5
162.5°	2.7	10.9	21.7	29.9	38.0
165°	2.7	8.2	16.3	24.5	29.9
167.5°	2.7	8.2	13.6	19.0	24.5
170°	2.7	5.4	10.9	13.6	19.0
172.5°	2.7	5.4	8.2	8.2	8.2
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)