

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: P566645

Luminaire Tested: **4SNX-60SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566645
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-60SL-LW-UNV-L950-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

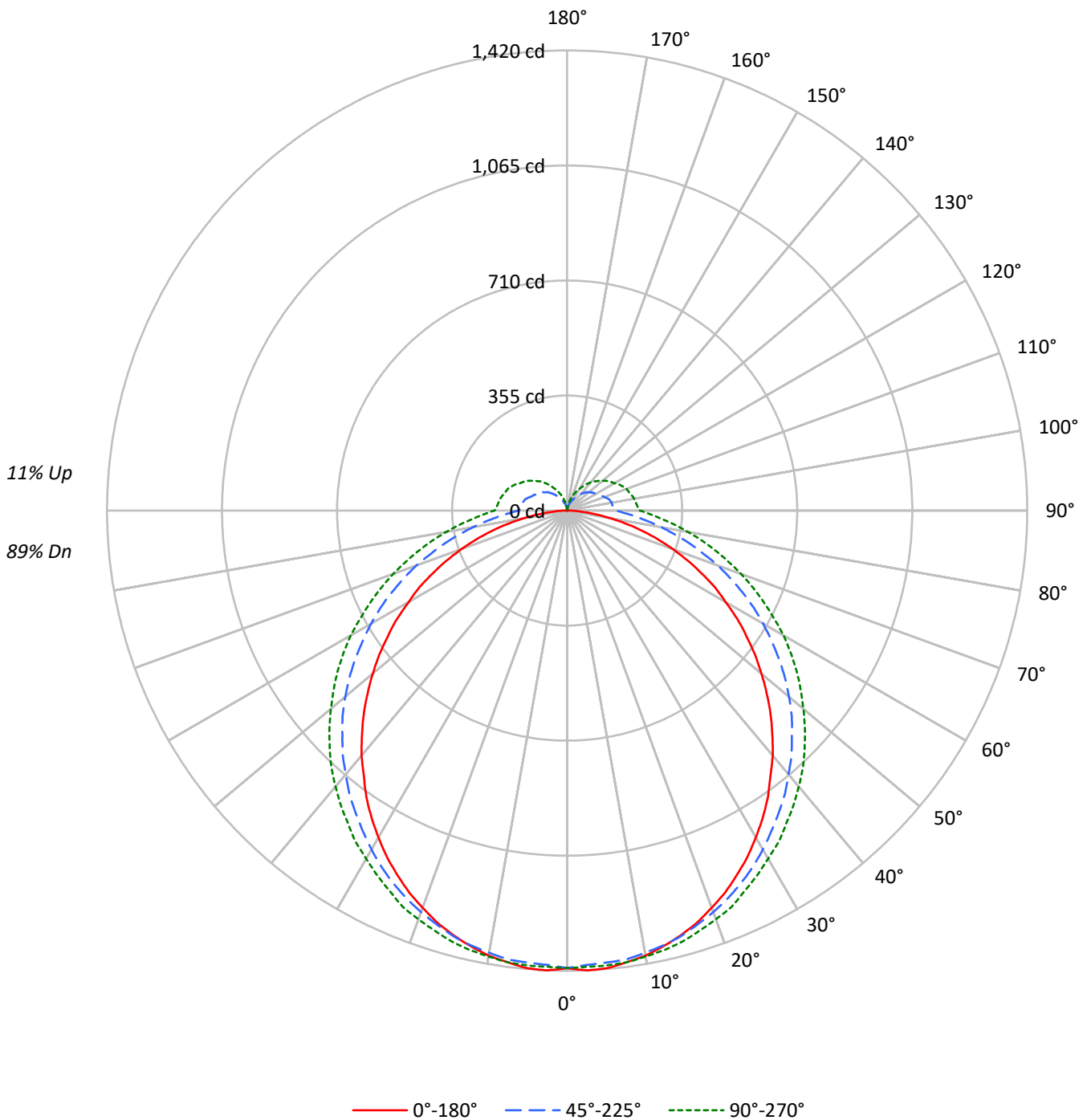
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5026.0 lumens
Efficiency: N/A
Efficacy: 119.7 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 42
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°	15196	15196	15196
5°	15262	14494	14384
10°	15129	13916	13666
15°	14949	13356	13018
20°	14715	12776	12371
25°	14448	12220	11736
30°	14132	11646	11129
35°	13789	11073	10561
40°	13397	10512	10020
45°	12974	9950	9465
50°	12492	9372	8883
55°	11961	8726	8312
60°	11338	8053	7707
65°	10685	7327	7018
70°	9782	6555	6341
75°	8591	5654	5623
80°	6714	4745	4906
85°	4384	3902	4171



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	2.7
10°-20°	385.4	7.7
20°-30°	586.1	11.7
30°-40°	711.4	14.2
40°-50°	751.8	15.0
50°-60°	703.5	14.0
60°-70°	577.2	11.5
70°-80°	397.0	7.9
80°-90°	217.4	4.3
90°-100°	140.0	2.8
100°-110°	125.6	2.5
110°-120°	104.0	2.1
120°-130°	80.1	1.6
130°-140°	56.3	1.1
140°-150°	33.9	0.7
150°-160°	16.2	0.3
160°-170°	5.3	0.1
170°-180°	0.6	0.0
0°-30°	1105.6	22.0
0°-40°	1817.0	36.2
0°-60°	3272.3	65.1
0°-90°	4463.9	88.8
90°-120°	369.6	7.4
90°-150°	539.8	10.7
90°-180°	562.0	11.2
0°-180°	5026.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1412	1412	1412	1412	1412	
5°	1418	1415	1400	1412	1409	134
15°	1356	1362	1359	1377	1377	383
25°	1240	1255	1269	1295	1295	571
35°	1080	1106	1138	1170	1179	675
45°	888	929	981	1025	1036	684
55°	675	731	798	847	865	604
65°	457	518	597	652	670	453
75°	239	303	390	451	472	251
85°	52	125	212	271	291	61
90°	0	70	148	204	224	4
95°	0	67	143	195	215	0
105°	0	55	134	183	201	2
115°	3	50	114	163	183	3
125°	3	41	96	140	157	3
135°	3	32	79	114	128	2
145°	3	23	55	87	96	2
155°	3	15	35	55	64	1
165°	3	9	18	26	32	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 4SNX-60SL-LW-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1411.8	1411.8	1411.8	1411.8	1411.8
2.5°	1420.5	1417.6	1403.1	1414.7	1408.9
5°	1417.6	1414.7	1400.2	1411.8	1408.9
7.5°	1406.0	1406.0	1397.3	1408.9	1406.0
10°	1394.3	1394.3	1385.6	1400.2	1397.3
12.5°	1376.9	1379.8	1374.0	1391.4	1388.5
15°	1356.5	1362.3	1359.4	1376.9	1376.9
17.5°	1333.2	1339.0	1339.0	1359.4	1359.4
20°	1304.1	1312.8	1318.7	1342.0	1342.0
22.5°	1275.0	1286.6	1295.4	1315.8	1324.5
25°	1240.1	1254.6	1269.2	1295.4	1295.4
27.5°	1205.1	1222.6	1240.1	1266.3	1269.2
30°	1164.4	1184.8	1208.0	1234.2	1240.1
32.5°	1123.6	1149.8	1173.1	1205.1	1213.9
35°	1080.0	1106.2	1138.2	1170.2	1178.9
37.5°	1030.5	1062.5	1103.3	1138.2	1146.9
40°	986.8	1021.7	1062.5	1103.3	1112.0
42.5°	937.3	975.2	1024.7	1062.5	1077.1
45°	887.8	928.6	981.0	1024.7	1036.3
47.5°	835.4	882.0	940.2	981.0	995.5
50°	783.0	832.5	893.7	940.2	951.9
52.5°	730.7	783.0	847.1	893.7	908.2
55°	675.3	730.7	797.6	847.1	864.6
57.5°	622.9	678.3	748.1	800.5	818.0
60°	564.7	628.8	698.6	751.0	771.4
62.5°	515.2	573.5	649.1	701.5	719.0
65°	457.0	518.2	596.7	652.1	669.5
67.5°	401.7	465.8	544.3	602.6	620.0
70°	346.4	410.4	494.9	550.2	570.5
72.5°	291.1	358.0	439.6	500.7	521.1
75°	238.7	302.7	390.1	451.2	471.6
77.5°	183.4	253.3	340.6	401.7	425.0
80°	133.9	206.7	294.0	355.1	378.4
82.5°	90.2	163.0	250.3	311.5	334.8
85°	52.4	125.2	212.5	270.7	291.1
87.5°	26.2	96.1	177.6	235.8	256.2
90°	0.0	69.9	148.5	203.8	224.1
92.5°	0.0	67.0	145.5	197.9	218.3
95°	0.0	67.0	142.6	195.0	215.4
97.5°	0.0	64.0	139.7	195.0	212.5
100°	0.0	61.1	139.7	192.1	209.6
102.5°	0.0	58.2	136.8	189.2	206.7
105°	0.0	55.3	133.9	183.4	200.9
107.5°	2.9	55.3	128.1	180.5	197.9
110°	2.9	52.4	122.3	177.6	195.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	49.5	116.4	171.7	189.2
115°	2.9	49.5	113.5	163.0	183.4
117.5°	2.9	46.6	107.7	157.2	177.6
120°	2.9	46.6	104.8	151.4	168.8
122.5°	2.9	43.7	99.0	145.5	163.0
125°	2.9	40.8	96.1	139.7	157.2
127.5°	2.9	37.8	93.2	133.9	151.4
130°	2.9	34.9	87.3	128.1	142.6
132.5°	2.9	34.9	84.4	119.3	136.8
135°	2.9	32.0	78.6	113.5	128.1
137.5°	2.9	29.1	72.8	107.7	122.3
140°	2.9	26.2	67.0	101.9	113.5
142.5°	2.9	26.2	61.1	93.2	104.8
145°	2.9	23.3	55.3	87.3	96.1
147.5°	2.9	20.4	49.5	78.6	87.3
150°	2.9	20.4	43.7	69.9	78.6
152.5°	2.9	17.5	37.8	64.0	72.8
155°	2.9	14.6	34.9	55.3	64.0
157.5°	2.9	14.6	29.1	46.6	55.3
160°	2.9	11.6	26.2	37.8	46.6
162.5°	2.9	11.6	23.3	32.0	40.8
165°	2.9	8.7	17.5	26.2	32.0
167.5°	2.9	8.7	14.6	20.4	26.2
170°	2.9	5.8	11.6	14.6	20.4
172.5°	2.9	5.8	8.7	8.7	8.7
175°	2.9	2.9	5.8	5.8	2.9
177.5°	2.9	2.9	2.9	2.9	2.9
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)