

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: P566652

Luminaire Tested: **4SNX-60SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566652
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-SLW-UNV-L940-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

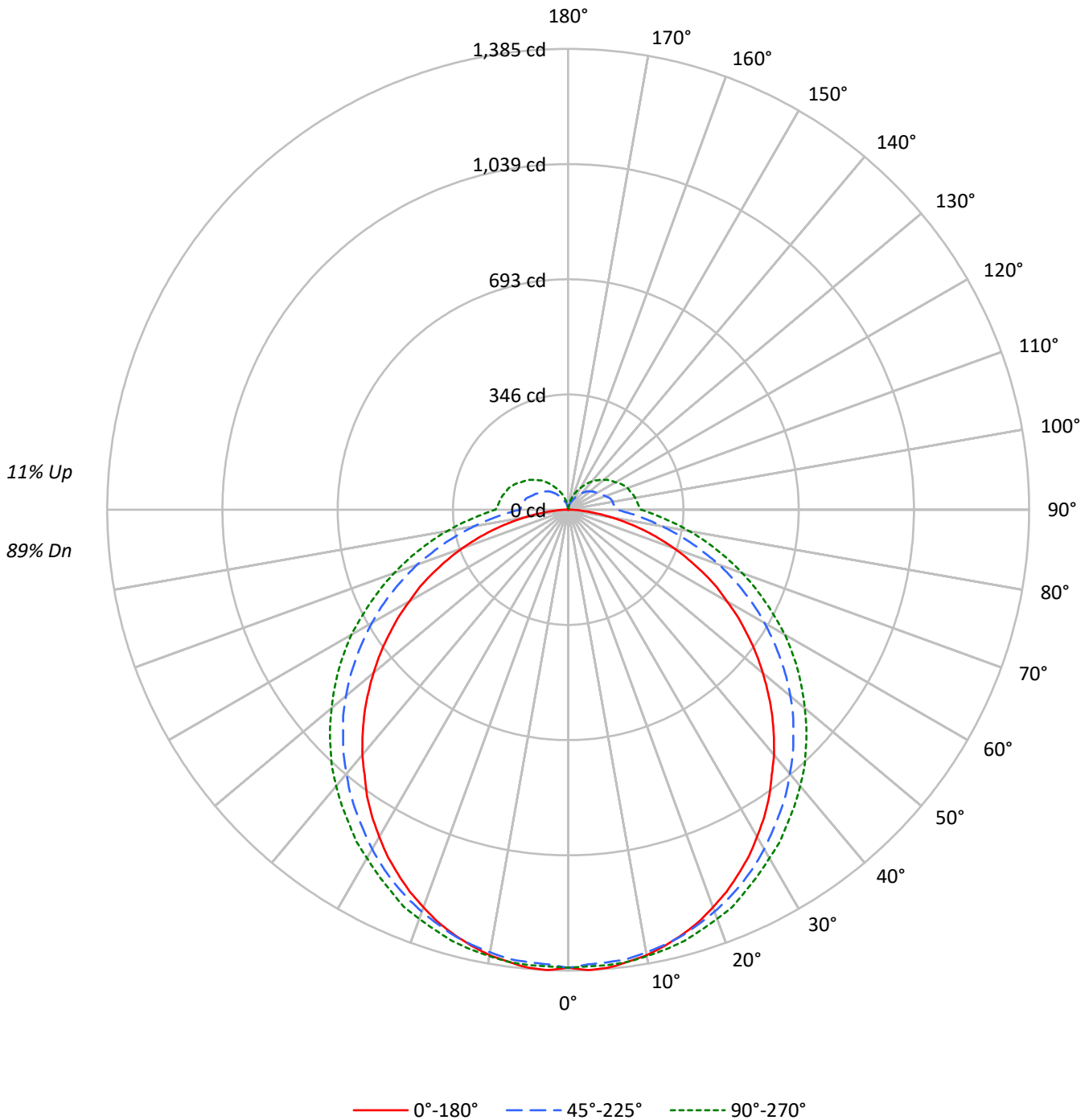
Lumens per Lamp: N/A
Luminaire Lumens: 4900.0 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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	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°	14815	14815	14815
5°	14907	14435	14423
10°	14804	14143	14065
15°	14656	13843	13737
20°	14454	13501	13371
25°	14221	13165	12988
30°	13942	12796	12610
35°	13637	12414	12255
40°	13287	12037	11914
45°	12909	11652	11546
50°	12475	11247	11134
55°	12000	10760	10730
60°	11442	10239	10280
65°	10866	9654	9710
70°	10055	9010	9154
75°	8982	8191	8540
80°	7238	7358	7932
85°	5101	6645	7310



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.7	2.7
10°-20°	375.8	7.7
20°-30°	571.4	11.7
30°-40°	693.6	14.2
40°-50°	732.9	15.0
50°-60°	685.9	14.0
60°-70°	562.8	11.5
70°-80°	387.1	7.9
80°-90°	212.0	4.3
90°-100°	136.5	2.8
100°-110°	122.5	2.5
110°-120°	101.4	2.1
120°-130°	78.1	1.6
130°-140°	54.9	1.1
140°-150°	33.0	0.7
150°-160°	15.8	0.3
160°-170°	5.2	0.1
170°-180°	0.6	0.0
0°-30°	1077.9	22.0
0°-40°	1771.5	36.2
0°-60°	3190.3	65.1
0°-90°	4352.1	88.8
90°-120°	360.3	7.4
90°-150°	526.3	10.7
90°-180°	548.0	11.2
0°-180°	4900.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1376	1376	1376	1376	1376	
5°	1382	1379	1365	1376	1374	131
15°	1322	1328	1325	1342	1342	373
25°	1209	1223	1237	1263	1263	557
35°	1053	1078	1110	1141	1149	658
45°	866	905	956	999	1010	667
55°	658	712	778	826	843	589
65°	446	505	582	636	653	441
75°	233	295	380	440	460	245
85°	51	122	207	264	284	59
90°	0	68	145	199	218	3
95°	0	65	139	190	210	0
105°	0	54	130	179	196	2
115°	3	48	111	159	179	3
125°	3	40	94	136	153	3
135°	3	31	77	111	125	2
145°	3	23	54	85	94	2
155°	3	14	34	54	62	1
165°	3	8	17	26	31	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1376.4	1376.4	1376.4	1376.4	1376.4
2.5°	1384.9	1382.1	1367.9	1379.3	1373.6
5°	1382.1	1379.3	1365.1	1376.4	1373.6
7.5°	1370.7	1370.7	1362.2	1373.6	1370.7
10°	1359.4	1359.4	1350.9	1365.1	1362.2
12.5°	1342.4	1345.2	1339.5	1356.6	1353.7
15°	1322.5	1328.2	1325.3	1342.4	1342.4
17.5°	1299.8	1305.5	1305.5	1325.3	1325.3
20°	1271.4	1279.9	1285.6	1308.3	1308.3
22.5°	1243.0	1254.4	1262.9	1282.8	1291.3
25°	1209.0	1223.2	1237.4	1262.9	1262.9
27.5°	1174.9	1192.0	1209.0	1234.5	1237.4
30°	1135.2	1155.1	1177.8	1203.3	1209.0
32.5°	1095.5	1121.0	1143.7	1174.9	1183.4
35°	1052.9	1078.4	1109.7	1140.9	1149.4
37.5°	1004.6	1035.9	1075.6	1109.7	1118.2
40°	962.1	996.1	1035.9	1075.6	1084.1
42.5°	913.8	950.7	999.0	1035.9	1050.1
45°	865.6	905.3	956.4	999.0	1010.3
47.5°	814.5	859.9	916.7	956.4	970.6
50°	763.4	811.7	871.3	916.7	928.0
52.5°	712.3	763.4	825.9	871.3	885.5
55°	658.4	712.3	777.6	825.9	842.9
57.5°	607.3	661.2	729.4	780.4	797.5
60°	550.6	613.0	681.1	732.2	752.1
62.5°	502.3	559.1	632.9	684.0	701.0
65°	445.6	505.2	581.8	635.7	652.7
67.5°	391.6	454.1	530.7	587.5	604.5
70°	337.7	400.2	482.5	536.4	556.2
72.5°	283.8	349.1	428.5	488.1	508.0
75°	232.7	295.2	380.3	439.9	459.8
77.5°	178.8	246.9	332.0	391.6	414.3
80°	130.5	201.5	286.6	346.2	368.9
82.5°	88.0	158.9	244.1	303.7	326.4
85°	51.1	122.0	207.2	263.9	283.8
87.5°	25.5	93.7	173.1	229.9	249.7
90°	0.0	68.1	144.7	198.7	218.5
92.5°	0.0	65.3	141.9	193.0	212.8
95°	0.0	65.3	139.1	190.1	210.0
97.5°	0.0	62.4	136.2	190.1	207.2
100°	0.0	59.6	136.2	187.3	204.3
102.5°	0.0	56.8	133.4	184.5	201.5
105°	0.0	53.9	130.5	178.8	195.8
107.5°	2.8	53.9	124.9	176.0	193.0
110°	2.8	51.1	119.2	173.1	190.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	48.2	113.5	167.4	184.5
115°	2.8	48.2	110.7	158.9	178.8
117.5°	2.8	45.4	105.0	153.3	173.1
120°	2.8	45.4	102.2	147.6	164.6
122.5°	2.8	42.6	96.5	141.9	158.9
125°	2.8	39.7	93.7	136.2	153.3
127.5°	2.8	36.9	90.8	130.5	147.6
130°	2.8	34.1	85.1	124.9	139.1
132.5°	2.8	34.1	82.3	116.4	133.4
135°	2.8	31.2	76.6	110.7	124.9
137.5°	2.8	28.4	70.9	105.0	119.2
140°	2.8	25.5	65.3	99.3	110.7
142.5°	2.8	25.5	59.6	90.8	102.2
145°	2.8	22.7	53.9	85.1	93.7
147.5°	2.8	19.9	48.2	76.6	85.1
150°	2.8	19.9	42.6	68.1	76.6
152.5°	2.8	17.0	36.9	62.4	70.9
155°	2.8	14.2	34.1	53.9	62.4
157.5°	2.8	14.2	28.4	45.4	53.9
160°	2.8	11.4	25.5	36.9	45.4
162.5°	2.8	11.4	22.7	31.2	39.7
165°	2.8	8.5	17.0	25.5	31.2
167.5°	2.8	8.5	14.2	19.9	25.5
170°	2.8	5.7	11.4	14.2	19.9
172.5°	2.8	5.7	8.5	8.5	8.5
175°	2.8	2.8	5.7	5.7	2.8
177.5°	2.8	2.8	2.8	2.8	2.8
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)