

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: P566648

Luminaire Tested: **4SNX-60SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566648
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-L840-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

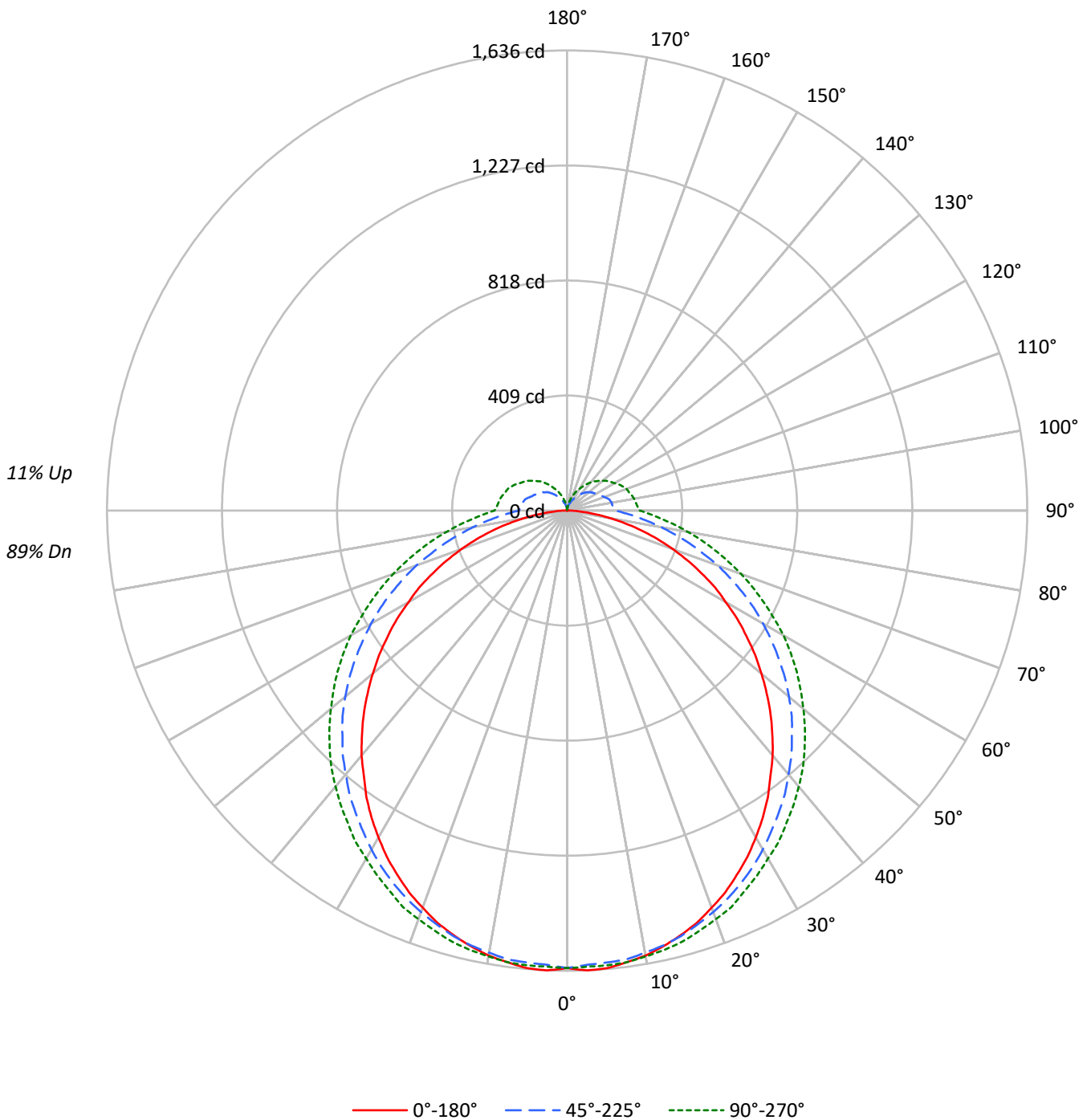
Lumens per Lamp: N/A
Luminaire Lumens: 5790.1 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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

TEST NUMBER: P566648

CATALOG NUMBER: 4SNX-60SL-SLW-UNV-L840-CD

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	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°	17506	17506	17506
5°	17614	17056	17043
10°	17493	16711	16621
15°	17318	16359	16232
20°	17079	15953	15799
25°	16804	15556	15348
30°	16475	15120	14900
35°	16114	14668	14480
40°	15700	14222	14078
45°	15253	13769	13643
50°	14742	13289	13157
55°	14180	12714	12679
60°	13520	12099	12147
65°	12838	11408	11475
70°	11883	10646	10818
75°	10615	9679	10091
80°	8558	8695	9373
85°	6029	7851	8637



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	2.7
10°-20°	444.0	7.7
20°-30°	675.2	11.7
30°-40°	819.6	14.2
40°-50°	866.1	15.0
50°-60°	810.4	14.0
60°-70°	665.0	11.5
70°-80°	457.4	7.9
80°-90°	250.5	4.3
90°-100°	161.3	2.8
100°-110°	144.7	2.5
110°-120°	119.8	2.1
120°-130°	92.3	1.6
130°-140°	64.8	1.1
140°-150°	39.1	0.7
150°-160°	18.7	0.3
160°-170°	6.1	0.1
170°-180°	0.7	0.0
0°-30°	1273.7	22.0
0°-40°	2093.3	36.2
0°-60°	3769.7	65.1
0°-90°	5142.5	88.8
90°-120°	425.8	7.4
90°-150°	622.0	10.7
90°-180°	648.0	11.2
0°-180°	5790.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1626	1626	1626	1626	1626	
5°	1633	1630	1613	1626	1623	155
15°	1563	1569	1566	1586	1586	441
25°	1429	1445	1462	1492	1492	658
35°	1244	1274	1311	1348	1358	777
45°	1023	1070	1130	1180	1194	788
55°	778	842	919	976	996	696
65°	526	597	688	751	771	521
75°	275	349	449	520	543	290
85°	60	144	245	312	335	70
90°	0	80	171	235	258	4
95°	0	77	164	225	248	0
105°	0	64	154	211	231	2
115°	3	57	131	188	211	3
125°	3	47	111	161	181	3
135°	3	37	90	131	148	3
145°	3	27	64	101	111	2
155°	3	17	40	64	74	2
165°	3	10	20	30	37	1
175°	3	3	7	7	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566648

CATALOG NUMBER: 4SNX-60SL-SLW-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1626.4	1626.4	1626.4	1626.4	1626.4
2.5°	1636.5	1633.1	1616.4	1629.8	1623.1
5°	1633.1	1629.8	1613.0	1626.4	1623.1
7.5°	1619.7	1619.7	1609.7	1623.1	1619.7
10°	1606.3	1606.3	1596.2	1613.0	1609.7
12.5°	1586.2	1589.5	1582.8	1603.0	1599.6
15°	1562.7	1569.4	1566.1	1586.2	1586.2
17.5°	1535.9	1542.6	1542.6	1566.1	1566.1
20°	1502.3	1512.4	1519.1	1545.9	1545.9
22.5°	1468.8	1482.2	1492.3	1515.8	1525.8
25°	1428.6	1445.3	1462.1	1492.3	1492.3
27.5°	1388.3	1408.5	1428.6	1458.8	1462.1
30°	1341.4	1364.9	1391.7	1421.9	1428.6
32.5°	1294.4	1324.6	1351.4	1388.3	1398.4
35°	1244.1	1274.3	1311.2	1348.1	1358.1
37.5°	1187.1	1224.0	1271.0	1311.2	1321.3
40°	1136.8	1177.1	1224.0	1271.0	1281.0
42.5°	1079.8	1123.4	1180.4	1224.0	1240.8
45°	1022.8	1069.8	1130.1	1180.4	1193.8
47.5°	962.4	1016.1	1083.2	1130.1	1146.9
50°	902.1	959.1	1029.5	1083.2	1096.6
52.5°	841.7	902.1	975.9	1029.5	1046.3
55°	778.0	841.7	918.8	975.9	996.0
57.5°	717.6	781.4	861.8	922.2	942.3
60°	650.6	724.3	804.8	865.2	888.7
62.5°	593.6	660.6	747.8	808.2	828.3
65°	526.5	596.9	687.5	751.2	771.3
67.5°	462.8	536.6	627.1	694.2	714.3
70°	399.1	472.8	570.1	633.8	657.3
72.5°	335.3	412.5	506.4	576.8	600.3
75°	275.0	348.8	449.4	519.8	543.3
77.5°	211.3	291.8	392.4	462.8	489.6
80°	154.3	238.1	338.7	409.1	435.9
82.5°	104.0	187.8	288.4	358.8	385.6
85°	60.4	144.2	244.8	311.9	335.3
87.5°	30.2	110.7	204.6	271.6	295.1
90°	0.0	80.5	171.0	234.7	258.2
92.5°	0.0	77.1	167.7	228.0	251.5
95°	0.0	77.1	164.3	224.7	248.2
97.5°	0.0	73.8	161.0	224.7	244.8
100°	0.0	70.4	161.0	221.3	241.4
102.5°	0.0	67.1	157.6	218.0	238.1
105°	0.0	63.7	154.3	211.3	231.4
107.5°	3.4	63.7	147.6	207.9	228.0
110°	3.4	60.4	140.8	204.6	224.7



TEST NUMBER: P566648

CATALOG NUMBER: 4SNX-60SL-SLW-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	57.0	134.1	197.9	218.0
115°	3.4	57.0	130.8	187.8	211.3
117.5°	3.4	53.7	124.1	181.1	204.6
120°	3.4	53.7	120.7	174.4	194.5
122.5°	3.4	50.3	114.0	167.7	187.8
125°	3.4	46.9	110.7	161.0	181.1
127.5°	3.4	43.6	107.3	154.3	174.4
130°	3.4	40.2	100.6	147.6	164.3
132.5°	3.4	40.2	97.3	137.5	157.6
135°	3.4	36.9	90.5	130.8	147.6
137.5°	3.4	33.5	83.8	124.1	140.8
140°	3.4	30.2	77.1	117.4	130.8
142.5°	3.4	30.2	70.4	107.3	120.7
145°	3.4	26.8	63.7	100.6	110.7
147.5°	3.4	23.5	57.0	90.5	100.6
150°	3.4	23.5	50.3	80.5	90.5
152.5°	3.4	20.1	43.6	73.8	83.8
155°	3.4	16.8	40.2	63.7	73.8
157.5°	3.4	16.8	33.5	53.7	63.7
160°	3.4	13.4	30.2	43.6	53.7
162.5°	3.4	13.4	26.8	36.9	46.9
165°	3.4	10.1	20.1	30.2	36.9
167.5°	3.4	10.1	16.8	23.5	30.2
170°	3.4	6.7	13.4	16.8	23.5
172.5°	3.4	6.7	10.1	10.1	10.1
175°	3.4	3.4	6.7	6.7	3.4
177.5°	3.4	3.4	3.4	3.4	3.4
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)