

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: P566640

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566640
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-L840-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

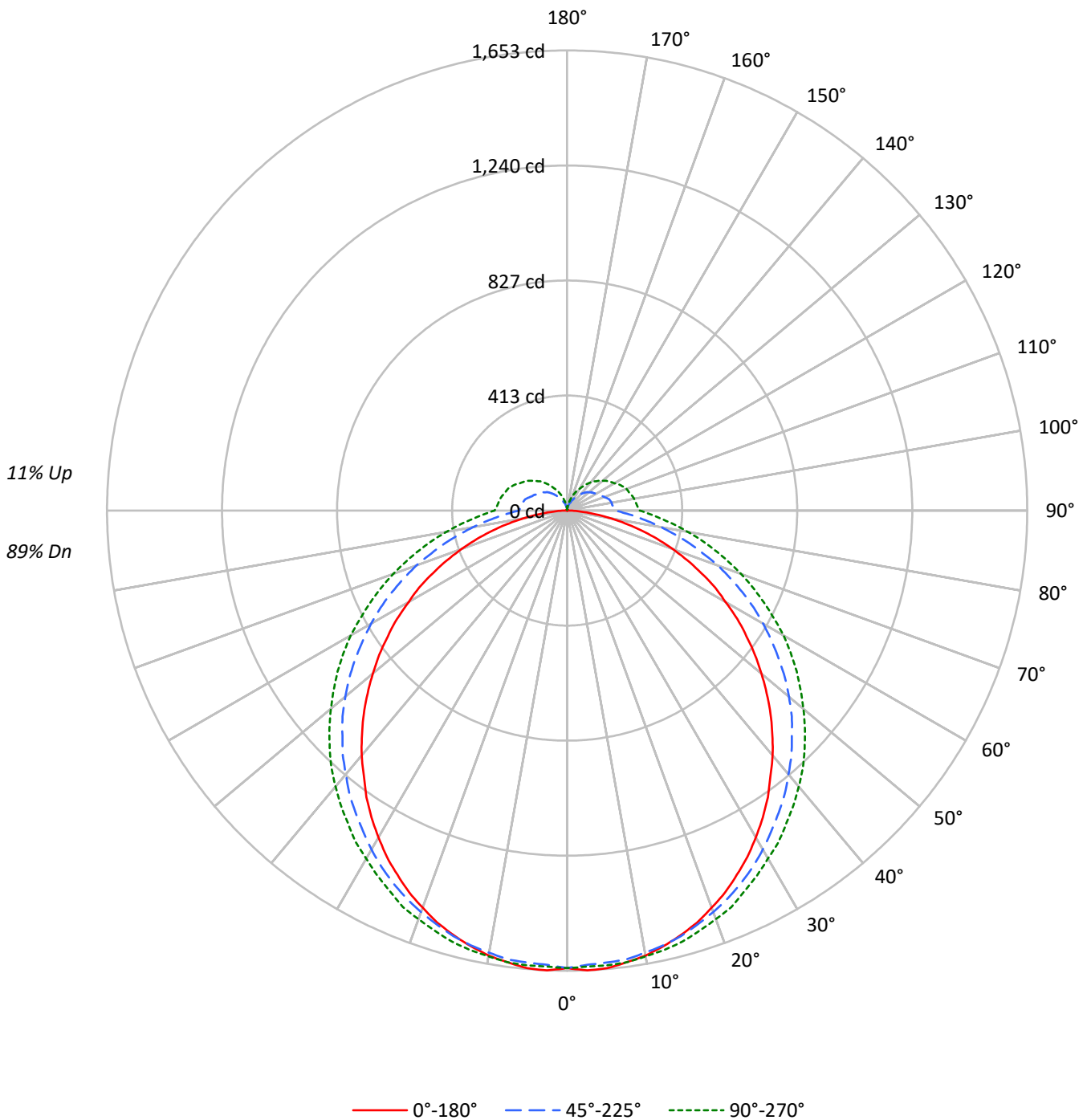
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5850.0 lumens
Efficiency: N/A
Efficacy: 139.3 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

TEST NUMBER: P566640
CATALOG NUMBER: 4SNX-60SL-LW-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	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°	17688	17688	17688
5°	17765	16870	16743
10°	17609	16197	15906
15°	17400	15546	15152
20°	17127	14871	14398
25°	16816	14223	13661
30°	16449	13556	12954
35°	16049	12888	12293
40°	15594	12235	11662
45°	15102	11581	11017
50°	14540	10908	10338
55°	13924	10157	9674
60°	13198	9374	8971
65°	12436	8529	8169
70°	11386	7629	7381
75°	9998	6580	6545
80°	7817	5523	5711
85°	5103	4542	4854



TEST NUMBER: P566640

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.1	2.7
10°-20°	448.6	7.7
20°-30°	682.2	11.7
30°-40°	828.1	14.2
40°-50°	875.0	15.0
50°-60°	818.8	14.0
60°-70°	671.9	11.5
70°-80°	462.1	7.9
80°-90°	253.1	4.3
90°-100°	162.9	2.8
100°-110°	146.2	2.5
110°-120°	121.0	2.1
120°-130°	93.2	1.6
130°-140°	65.5	1.1
140°-150°	39.5	0.7
150°-160°	18.9	0.3
160°-170°	6.2	0.1
170°-180°	0.7	0.0
0°-30°	1286.9	22.0
0°-40°	2114.9	36.2
0°-60°	3808.8	65.1
0°-90°	5195.8	88.8
90°-120°	430.2	7.4
90°-150°	628.4	10.7
90°-180°	654.0	11.2
0°-180°	5850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1643	1643	1643	1643	1643	
5°	1650	1647	1630	1643	1640	156
15°	1579	1586	1582	1603	1603	445
25°	1443	1460	1477	1508	1508	665
35°	1257	1288	1325	1362	1372	785
45°	1033	1081	1142	1193	1206	796
55°	786	850	928	986	1006	703
65°	532	603	695	759	779	527
75°	278	352	454	525	549	293
85°	61	146	247	315	339	70
90°	0	81	173	237	261	4
95°	0	78	166	227	251	0
105°	0	64	156	214	234	2
115°	3	58	132	190	214	3
125°	3	47	112	163	183	3
135°	3	37	92	132	149	3
145°	3	27	64	102	112	2
155°	3	17	41	64	74	2
165°	3	10	20	30	37	1
175°	3	3	7	7	3	0
180°	3	3	3	3	3	



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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1643.3	1643.3	1643.3	1643.3	1643.3
2.5°	1653.4	1650.1	1633.1	1646.7	1639.9
5°	1650.1	1646.7	1629.7	1643.3	1639.9
7.5°	1636.5	1636.5	1626.3	1639.9	1636.5
10°	1622.9	1622.9	1612.8	1629.7	1626.3
12.5°	1602.6	1606.0	1599.2	1619.6	1616.2
15°	1578.9	1585.7	1582.3	1602.6	1602.6
17.5°	1551.8	1558.6	1558.6	1582.3	1582.3
20°	1517.9	1528.1	1534.9	1562.0	1562.0
22.5°	1484.0	1497.6	1507.8	1531.5	1541.6
25°	1443.4	1460.3	1477.3	1507.8	1507.8
27.5°	1402.7	1423.0	1443.4	1473.9	1477.3
30°	1355.3	1379.0	1406.1	1436.6	1443.4
32.5°	1307.8	1338.3	1365.4	1402.7	1412.9
35°	1257.0	1287.5	1324.8	1362.1	1372.2
37.5°	1199.4	1236.7	1284.1	1324.8	1335.0
40°	1148.6	1189.3	1236.7	1284.1	1294.3
42.5°	1091.0	1135.0	1192.6	1236.7	1253.6
45°	1033.4	1080.8	1141.8	1192.6	1206.2
47.5°	972.4	1026.6	1094.4	1141.8	1158.8
50°	911.4	969.0	1040.2	1094.4	1107.9
52.5°	850.4	911.4	986.0	1040.2	1057.1
55°	786.1	850.4	928.4	986.0	1006.3
57.5°	725.1	789.5	870.8	931.8	952.1
60°	657.3	731.9	813.2	874.2	897.9
62.5°	599.7	667.5	755.6	816.6	836.9
65°	531.9	603.1	694.6	759.0	779.3
67.5°	467.6	542.1	633.6	701.4	721.7
70°	403.2	477.7	576.0	640.4	664.1
72.5°	338.8	416.7	511.6	582.8	606.5
75°	277.8	352.4	454.0	525.2	548.9
77.5°	213.5	294.8	396.4	467.6	494.7
80°	155.9	240.6	342.2	413.4	440.5
82.5°	105.0	189.7	291.4	362.5	389.6
85°	61.0	145.7	247.3	315.1	338.8
87.5°	30.5	111.8	206.7	274.4	298.2
90°	0.0	81.3	172.8	237.2	260.9
92.5°	0.0	77.9	169.4	230.4	254.1
95°	0.0	77.9	166.0	227.0	250.7
97.5°	0.0	74.5	162.6	227.0	247.3
100°	0.0	71.2	162.6	223.6	244.0
102.5°	0.0	67.8	159.2	220.2	240.6
105°	0.0	64.4	155.9	213.5	233.8
107.5°	3.4	64.4	149.1	210.1	230.4
110°	3.4	61.0	142.3	206.7	227.0



TEST NUMBER: P566640

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	57.6	135.5	199.9	220.2
115°	3.4	57.6	132.1	189.7	213.5
117.5°	3.4	54.2	125.4	183.0	206.7
120°	3.4	54.2	122.0	176.2	196.5
122.5°	3.4	50.8	115.2	169.4	189.7
125°	3.4	47.4	111.8	162.6	183.0
127.5°	3.4	44.0	108.4	155.9	176.2
130°	3.4	40.7	101.6	149.1	166.0
132.5°	3.4	40.7	98.3	138.9	159.2
135°	3.4	37.3	91.5	132.1	149.1
137.5°	3.4	33.9	84.7	125.4	142.3
140°	3.4	30.5	77.9	118.6	132.1
142.5°	3.4	30.5	71.2	108.4	122.0
145°	3.4	27.1	64.4	101.6	111.8
147.5°	3.4	23.7	57.6	91.5	101.6
150°	3.4	23.7	50.8	81.3	91.5
152.5°	3.4	20.3	44.0	74.5	84.7
155°	3.4	16.9	40.7	64.4	74.5
157.5°	3.4	16.9	33.9	54.2	64.4
160°	3.4	13.6	30.5	44.0	54.2
162.5°	3.4	13.6	27.1	37.3	47.4
165°	3.4	10.2	20.3	30.5	37.3
167.5°	3.4	10.2	16.9	23.7	30.5
170°	3.4	6.8	13.6	16.9	23.7
172.5°	3.4	6.8	10.2	10.2	10.2
175°	3.4	3.4	6.8	6.8	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)