

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: P566893

Luminaire Tested: **4SNX-84HL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-84HL-SLW-UNV-L950-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

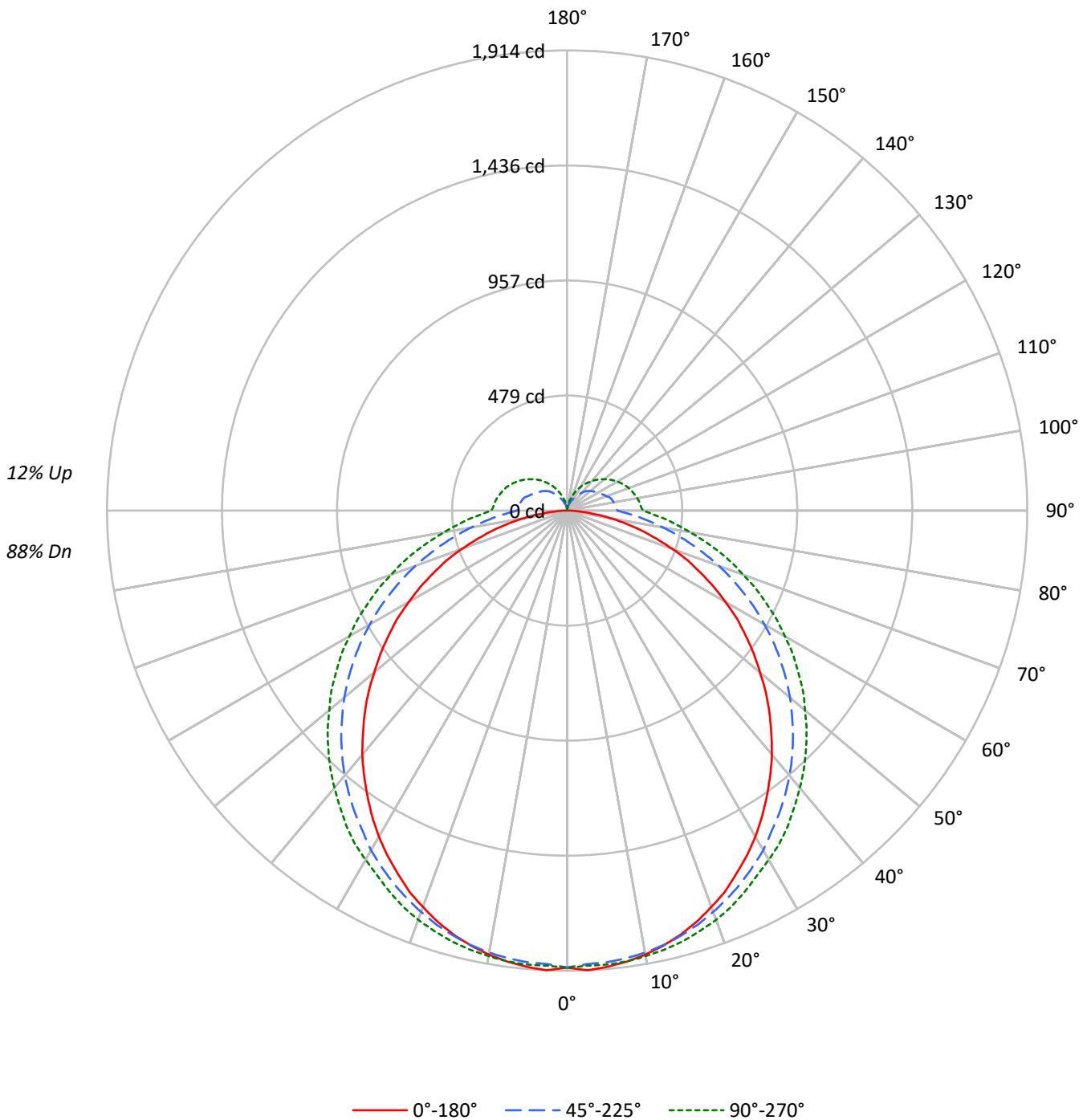
Lumens per Lamp: N/A
Luminaire Lumens: 6843.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 57.9
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	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20459	20459	20459
5°	20551	19938	19908
10°	20418	19543	19433
15°	20232	19119	18983
20°	19943	18656	18515
25°	19602	18190	17981
30°	19229	17722	17490
35°	18760	17199	17066
40°	18303	16720	16548
45°	17755	16191	16057
50°	17119	15626	15495
55°	16509	14966	14933
60°	15804	14251	14287
65°	14945	13436	13598
70°	13851	12517	12806
75°	12302	11458	12081
80°	10138	10410	11162
85°	7018	9470	10563



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.4	2.6
10°-20°	519.1	7.6
20°-30°	789.6	11.5
30°-40°	960.1	14.0
40°-50°	1015.8	14.8
50°-60°	952.2	13.9
60°-70°	783.3	11.4
70°-80°	542.0	7.9
80°-90°	301.4	4.4
90°-100°	198.6	2.9
100°-110°	178.1	2.6
110°-120°	147.4	2.2
120°-130°	113.9	1.7
130°-140°	80.6	1.2
140°-150°	48.6	0.7
150°-160°	23.4	0.3
160°-170°	7.6	0.1
170°-180°	0.9	0.0
0°-30°	1489.1	21.8
0°-40°	2449.3	35.8
0°-60°	4417.2	64.6
0°-90°	6043.9	88.3
90°-120°	524.0	7.7
90°-150°	767.2	11.2
90°-180°	799.0	11.7
0°-180°	6843.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1901	1901	1901	1901	1901	
5°	1905	1902	1886	1901	1896	181
15°	1826	1832	1830	1855	1855	515
25°	1666	1690	1710	1747	1748	768
35°	1448	1487	1538	1587	1601	906
45°	1191	1253	1329	1389	1405	918
55°	906	987	1082	1150	1173	811
65°	613	701	810	889	914	608
75°	319	411	532	616	650	338
85°	70	175	295	377	410	81
90°	1	98	209	287	315	5
95°	1	94	203	278	305	1
105°	1	81	190	261	285	1
115°	2	70	160	232	258	2
125°	2	60	137	198	223	2
135°	2	47	115	163	183	2
145°	2	34	80	123	138	1
155°	4	23	49	78	91	2
165°	4	15	27	36	47	1
175°	4	6	8	8	5	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1900.7	1900.7	1900.7	1900.7	1900.7
2.5°	1913.6	1907.8	1887.8	1900.7	1894.9
5°	1905.4	1901.9	1885.5	1900.7	1896.0
7.5°	1892.5	1891.3	1878.5	1896.0	1891.3
10°	1874.9	1877.3	1866.7	1885.5	1882.0
12.5°	1852.7	1856.2	1851.5	1872.6	1870.3
15°	1825.7	1831.6	1830.4	1855.0	1855.0
17.5°	1792.9	1801.1	1805.8	1833.9	1833.9
20°	1754.2	1767.1	1776.5	1807.0	1811.7
22.5°	1715.6	1730.8	1744.9	1776.5	1783.5
25°	1666.4	1689.8	1709.7	1747.2	1748.4
27.5°	1618.3	1644.1	1671.0	1707.4	1710.9
30°	1565.6	1598.4	1631.2	1666.4	1676.9
32.5°	1509.3	1545.7	1582.0	1628.9	1642.9
35°	1448.4	1487.1	1537.5	1586.7	1600.7
37.5°	1387.5	1430.8	1489.4	1539.8	1552.7
40°	1325.3	1373.4	1439.0	1490.6	1505.8
42.5°	1256.2	1314.8	1385.1	1440.2	1457.8
45°	1190.6	1252.7	1328.9	1388.6	1405.0
47.5°	1121.4	1187.1	1269.1	1332.4	1351.1
50°	1047.6	1122.6	1210.5	1273.8	1291.4
52.5°	978.5	1054.7	1147.2	1212.9	1237.5
55°	905.8	986.7	1081.6	1149.6	1173.0
57.5°	837.9	915.2	1017.2	1085.1	1114.4
60°	760.5	846.1	948.0	1021.8	1045.3
62.5°	687.9	774.6	880.1	956.2	983.2
65°	612.9	700.8	809.7	889.4	914.0
67.5°	542.6	629.3	740.6	819.1	850.8
70°	465.2	556.6	670.3	751.1	778.1
72.5°	389.1	484.0	600.0	686.7	717.2
75°	318.7	411.3	532.0	616.4	650.4
77.5°	250.8	344.5	466.4	553.1	582.4
80°	182.8	281.2	405.5	491.0	519.1
82.5°	120.7	223.8	346.9	432.4	462.9
85°	70.3	174.6	295.3	377.3	410.1
87.5°	30.5	132.4	247.3	328.1	355.1
90°	1.2	98.4	208.6	287.1	315.2
92.5°	1.2	96.1	203.9	281.2	308.2
95°	1.2	93.7	202.7	277.7	304.7
97.5°	1.2	92.6	200.4	275.4	301.2
100°	1.2	89.1	196.9	270.7	296.5
102.5°	1.2	84.4	193.4	266.0	290.6
105°	1.2	80.9	189.8	261.3	284.8
107.5°	1.2	77.3	184.0	255.5	278.9
110°	1.2	73.8	174.6	249.6	273.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	72.7	167.6	241.4	266.0
115°	2.3	70.3	160.5	232.0	257.8
117.5°	2.3	69.1	154.7	222.6	249.6
120°	2.3	65.6	148.8	214.4	240.2
122.5°	2.3	62.1	143.0	206.2	232.0
125°	2.3	59.8	137.1	198.0	222.6
127.5°	2.3	56.2	132.4	189.8	212.1
130°	2.3	53.9	126.6	180.5	202.7
132.5°	2.3	50.4	120.7	171.1	192.2
135°	2.3	46.9	114.8	162.9	182.8
137.5°	2.3	42.2	107.8	153.5	172.3
140°	2.3	38.7	98.4	144.1	161.7
142.5°	2.3	36.3	89.1	133.6	150.0
145°	2.3	34.0	79.7	123.0	138.3
147.5°	2.3	31.6	71.5	112.5	126.6
150°	2.3	28.1	63.3	103.1	114.8
152.5°	3.5	25.8	56.2	91.4	103.1
155°	3.5	23.4	49.2	78.5	91.4
157.5°	3.5	21.1	42.2	65.6	79.7
160°	3.5	18.7	36.3	53.9	68.0
162.5°	3.5	17.6	31.6	44.5	57.4
165°	3.5	15.2	27.0	36.3	46.9
167.5°	3.5	11.7	22.3	28.1	38.7
170°	3.5	9.4	17.6	19.9	29.3
172.5°	3.5	7.0	12.9	14.1	15.2
175°	3.5	5.9	8.2	8.2	4.7
177.5°	3.5	4.7	4.7	4.7	2.3
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)