

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: P566027

Luminaire Tested: **4SNX-104HL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566027
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-104HL-SLW-UNV-L935-CD
Description: 4FT 10400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

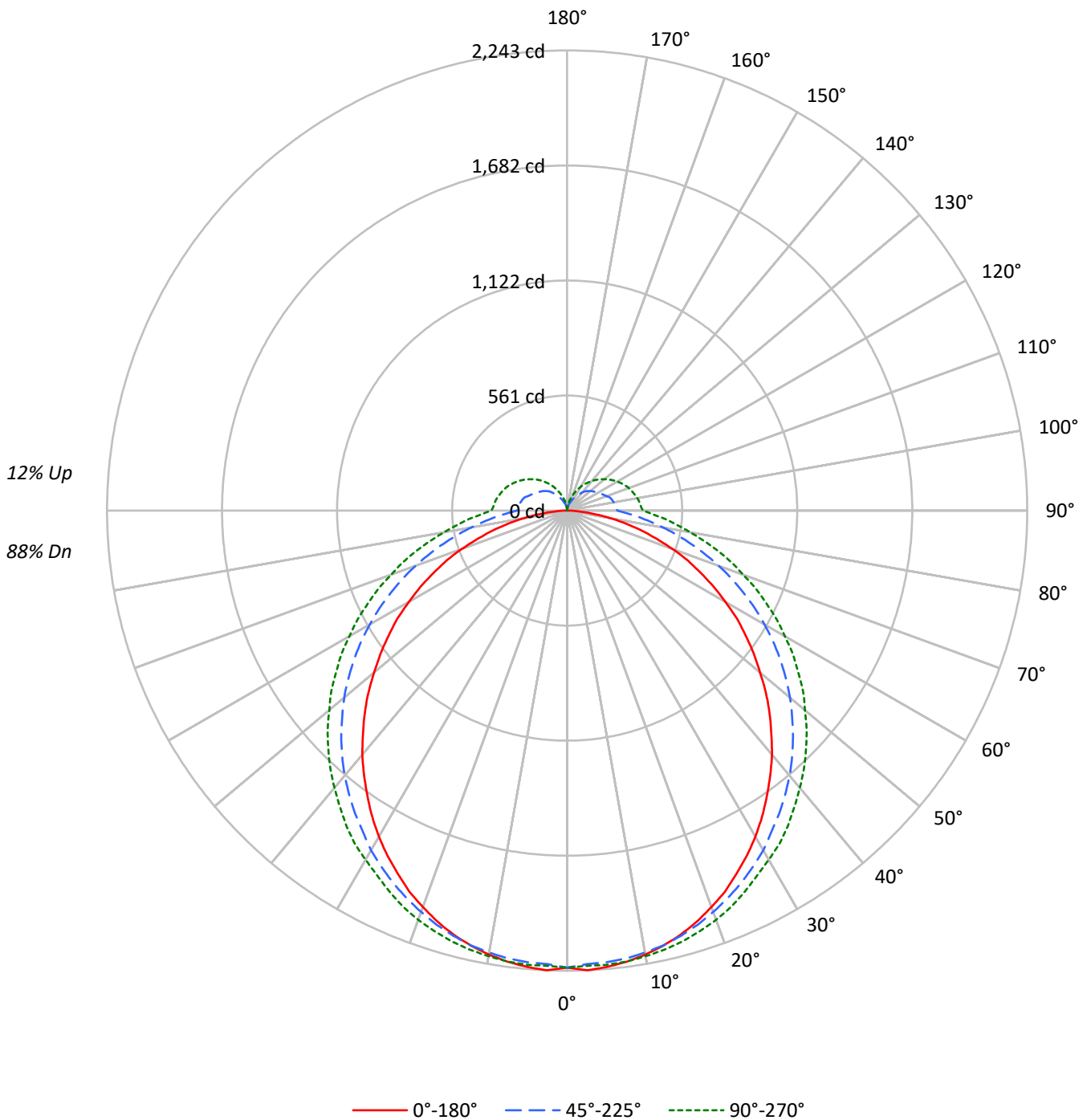
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8020.0 lumens
Efficiency: N/A
Efficacy: 106.2 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): 75.5
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°	23978	23978	23978
5°	24085	23367	23333
10°	23930	22905	22775
15°	23712	22408	22248
20°	23374	21865	21700
25°	22973	21319	21074
30°	22536	20771	20498
35°	21986	20157	20003
40°	21452	19596	19395
45°	20810	18975	18819
50°	20064	18313	18160
55°	19349	17540	17502
60°	18522	16703	16745
65°	17515	15747	15937
70°	16233	14670	15009
75°	14421	13429	14157
80°	11880	12199	13082
85°	8226	11099	12382



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.5	2.6
10°-20°	608.3	7.6
20°-30°	925.5	11.5
30°-40°	1125.3	14.0
40°-50°	1190.5	14.8
50°-60°	1115.9	13.9
60°-70°	918.0	11.4
70°-80°	635.2	7.9
80°-90°	353.2	4.4
90°-100°	232.7	2.9
100°-110°	208.7	2.6
110°-120°	172.7	2.2
120°-130°	133.5	1.7
130°-140°	94.5	1.2
140°-150°	57.0	0.7
150°-160°	27.4	0.3
160°-170°	9.0	0.1
170°-180°	1.1	0.0
0°-30°	1745.3	21.8
0°-40°	2870.5	35.8
0°-60°	5177.0	64.6
0°-90°	7083.4	88.3
90°-120°	614.1	7.7
90°-150°	899.1	11.2
90°-180°	937.0	11.7
0°-180°	8020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2228	2228	2228	2228	2228	
5°	2233	2229	2210	2228	2222	212
15°	2140	2147	2145	2174	2174	603
25°	1953	1980	2004	2048	2049	900
35°	1698	1743	1802	1860	1876	1062
45°	1395	1468	1557	1628	1647	1076
55°	1062	1156	1268	1347	1375	950
65°	718	821	949	1042	1071	712
75°	374	482	624	722	762	396
85°	82	205	346	442	481	95
90°	1	115	244	336	369	5
95°	1	110	238	326	357	1
105°	1	95	222	306	334	1
115°	3	82	188	272	302	2
125°	3	70	161	232	261	2
135°	3	55	135	191	214	2
145°	3	40	93	144	162	2
155°	4	28	58	92	107	2
165°	4	18	32	43	55	1
175°	4	7	10	10	6	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2227.6	2227.6	2227.6	2227.6	2227.6
2.5°	2242.8	2235.9	2212.5	2227.6	2220.8
5°	2233.1	2229.0	2209.8	2227.6	2222.2
7.5°	2218.0	2216.7	2201.6	2222.2	2216.7
10°	2197.4	2200.2	2187.8	2209.8	2205.7
12.5°	2171.3	2175.5	2170.0	2194.7	2191.9
15°	2139.7	2146.6	2145.2	2174.1	2174.1
17.5°	2101.3	2110.9	2116.4	2149.4	2149.4
20°	2056.0	2071.1	2082.1	2117.8	2123.3
22.5°	2010.6	2028.5	2045.0	2082.1	2090.3
25°	1953.0	1980.4	2003.8	2047.7	2049.1
27.5°	1896.7	1926.9	1958.5	2001.0	2005.2
30°	1834.9	1873.3	1911.8	1953.0	1965.3
32.5°	1768.9	1811.5	1854.1	1909.0	1925.5
35°	1697.5	1742.8	1801.9	1859.6	1876.1
37.5°	1626.1	1676.9	1745.6	1804.6	1819.7
40°	1553.3	1609.6	1686.5	1747.0	1764.8
42.5°	1472.3	1540.9	1623.4	1687.9	1708.5
45°	1395.4	1468.2	1557.4	1627.5	1646.7
47.5°	1314.3	1391.2	1487.4	1561.5	1583.5
50°	1227.8	1315.7	1418.7	1492.9	1513.5
52.5°	1146.8	1236.1	1344.6	1421.5	1450.3
55°	1061.6	1156.4	1267.6	1347.3	1374.8
57.5°	982.0	1072.6	1192.1	1271.8	1306.1
60°	891.3	991.6	1111.1	1197.6	1225.1
62.5°	806.2	907.8	1031.4	1120.7	1152.3
65°	718.3	821.3	949.0	1042.4	1071.2
67.5°	635.9	737.5	868.0	960.0	997.1
70°	545.2	652.4	785.6	880.3	911.9
72.5°	456.0	567.2	703.2	804.8	840.5
75°	373.6	482.1	623.5	722.4	762.2
77.5°	293.9	403.8	546.6	648.2	682.6
80°	214.2	329.6	475.2	575.5	608.4
82.5°	141.5	262.3	406.5	506.8	542.5
85°	82.4	204.6	346.1	442.2	480.7
87.5°	35.7	155.2	289.8	384.6	416.1
90°	1.4	115.4	244.5	336.5	369.4
92.5°	1.4	112.6	239.0	329.6	361.2
95°	1.4	109.9	237.6	325.5	357.1
97.5°	1.4	108.5	234.9	322.7	353.0
100°	1.4	104.4	230.7	317.3	347.5
102.5°	1.4	98.9	226.6	311.8	340.6
105°	1.4	94.8	222.5	306.3	333.7
107.5°	1.4	90.6	215.6	299.4	326.9
110°	1.4	86.5	204.6	292.5	320.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	85.2	196.4	282.9	311.8
115°	2.7	82.4	188.2	271.9	302.1
117.5°	2.7	81.0	181.3	260.9	292.5
120°	2.7	76.9	174.4	251.3	281.5
122.5°	2.7	72.8	167.6	241.7	271.9
125°	2.7	70.0	160.7	232.1	260.9
127.5°	2.7	65.9	155.2	222.5	248.6
130°	2.7	63.2	148.3	211.5	237.6
132.5°	2.7	59.1	141.5	200.5	225.2
135°	2.7	54.9	134.6	190.9	214.2
137.5°	2.7	49.4	126.4	179.9	201.9
140°	2.7	45.3	115.4	168.9	189.5
142.5°	2.7	42.6	104.4	156.6	175.8
145°	2.7	39.8	93.4	144.2	162.1
147.5°	2.7	37.1	83.8	131.8	148.3
150°	2.7	33.0	74.2	120.9	134.6
152.5°	4.1	30.2	65.9	107.1	120.9
155°	4.1	27.5	57.7	92.0	107.1
157.5°	4.1	24.7	49.4	76.9	93.4
160°	4.1	22.0	42.6	63.2	79.7
162.5°	4.1	20.6	37.1	52.2	67.3
165°	4.1	17.9	31.6	42.6	54.9
167.5°	4.1	13.7	26.1	33.0	45.3
170°	4.1	11.0	20.6	23.3	34.3
172.5°	4.1	8.2	15.1	16.5	17.9
175°	4.1	6.9	9.6	9.6	5.5
177.5°	4.1	5.5	5.5	5.5	2.7
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)