

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: P566026

Luminaire Tested: **4SNX-104HL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566026
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-L930-CD
Description: 4FT 10400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

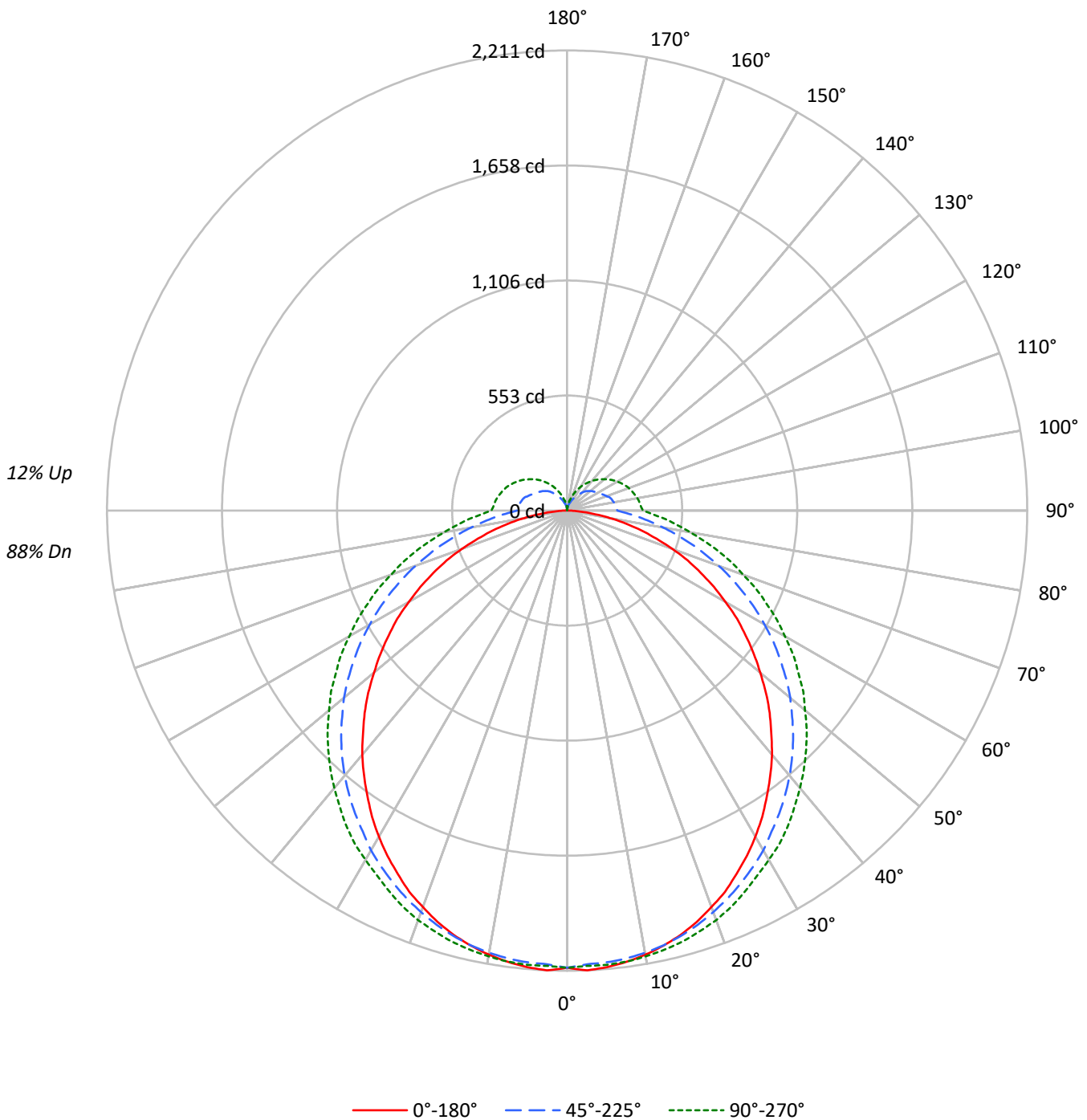
Lumens per Lamp: N/A
Luminaire Lumens: 7908.0 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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°	23643	23643	23643
5°	23750	23040	23007
10°	23596	22586	22457
15°	23382	22095	21937
20°	23048	21559	21396
25°	22652	21021	20780
30°	22221	20481	20212
35°	21679	19875	19723
40°	21153	19323	19124
45°	20519	18710	18556
50°	19785	18058	17905
55°	19079	17295	17257
60°	18264	16470	16511
65°	17272	15528	15715
70°	16007	14465	14800
75°	14216	13242	13960
80°	11719	12030	12899
85°	8116	10945	12209



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.5	2.6
10°-20°	599.8	7.6
20°-30°	912.5	11.5
30°-40°	1109.5	14.0
40°-50°	1173.9	14.8
50°-60°	1100.3	13.9
60°-70°	905.2	11.4
70°-80°	626.3	7.9
80°-90°	348.3	4.4
90°-100°	229.4	2.9
100°-110°	205.7	2.6
110°-120°	170.3	2.2
120°-130°	131.7	1.7
130°-140°	93.2	1.2
140°-150°	56.2	0.7
150°-160°	27.0	0.3
160°-170°	8.8	0.1
170°-180°	1.1	0.0
0°-30°	1720.9	21.8
0°-40°	2830.4	35.8
0°-60°	5104.7	64.6
0°-90°	6984.5	88.3
90°-120°	605.5	7.7
90°-150°	886.6	11.2
90°-180°	924.0	11.7
0°-180°	7908.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2196	2196	2196	2196	2196	
5°	2202	2198	2179	2196	2191	209
15°	2110	2117	2115	2144	2144	595
25°	1926	1953	1976	2019	2020	888
35°	1674	1718	1777	1834	1850	1048
45°	1376	1448	1536	1605	1624	1060
55°	1047	1140	1250	1328	1356	937
65°	708	810	936	1028	1056	702
75°	368	475	615	712	752	391
85°	81	202	341	436	474	94
90°	1	114	241	332	364	5
95°	1	108	234	321	352	1
105°	1	93	219	302	329	1
115°	3	81	186	268	298	2
125°	3	69	158	229	257	2
135°	3	54	133	188	211	2
145°	3	39	92	142	160	2
155°	4	27	57	91	106	2
165°	4	18	31	42	54	1
175°	4	7	10	10	5	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2196.5	2196.5	2196.5	2196.5	2196.5
2.5°	2211.4	2204.7	2181.6	2196.5	2189.8
5°	2202.0	2197.9	2178.9	2196.5	2191.1
7.5°	2187.1	2185.7	2170.8	2191.1	2185.7
10°	2166.7	2169.5	2157.3	2178.9	2174.9
12.5°	2141.0	2145.1	2139.7	2164.0	2161.3
15°	2109.9	2116.6	2115.3	2143.7	2143.7
17.5°	2071.9	2081.4	2086.8	2119.3	2119.3
20°	2027.3	2042.2	2053.0	2088.2	2093.6
22.5°	1982.6	2000.2	2016.4	2053.0	2061.1
25°	1925.7	1952.8	1975.8	2019.1	2020.5
27.5°	1870.2	1900.0	1931.1	1973.1	1977.2
30°	1809.2	1847.1	1885.1	1925.7	1937.9
32.5°	1744.2	1786.2	1828.2	1882.4	1898.6
35°	1673.8	1718.5	1776.7	1833.6	1849.9
37.5°	1603.4	1653.5	1721.2	1779.4	1794.3
40°	1531.6	1587.1	1663.0	1722.6	1740.2
42.5°	1451.7	1519.4	1600.7	1664.3	1684.6
45°	1375.9	1447.7	1535.7	1604.7	1623.7
47.5°	1296.0	1371.8	1466.6	1539.7	1561.4
50°	1210.7	1297.3	1398.9	1472.0	1492.3
52.5°	1130.8	1218.8	1325.8	1401.6	1430.1
55°	1046.8	1140.2	1249.9	1328.5	1355.6
57.5°	968.3	1057.6	1175.5	1254.0	1287.9
60°	878.9	977.7	1095.6	1180.9	1208.0
62.5°	794.9	895.1	1017.0	1105.0	1136.2
65°	708.3	809.8	935.8	1027.8	1056.3
67.5°	627.0	727.2	855.9	946.6	983.2
70°	537.6	643.3	774.6	868.1	899.2
72.5°	449.6	559.3	693.4	793.6	828.8
75°	368.3	475.3	614.8	712.3	751.6
77.5°	289.8	398.1	539.0	639.2	673.0
80°	211.3	325.0	468.6	567.4	599.9
82.5°	139.5	258.7	400.8	499.7	534.9
85°	81.3	201.8	341.3	436.1	474.0
87.5°	35.2	153.0	285.7	379.2	410.3
90°	1.4	113.8	241.1	331.8	364.3
92.5°	1.4	111.0	235.6	325.0	356.2
95°	1.4	108.3	234.3	320.9	352.1
97.5°	1.4	107.0	231.6	318.2	348.0
100°	1.4	102.9	227.5	312.8	342.6
102.5°	1.4	97.5	223.4	307.4	335.8
105°	1.4	93.4	219.4	302.0	329.1
107.5°	1.4	89.4	212.6	295.2	322.3
110°	1.4	85.3	201.8	288.4	315.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	84.0	193.7	279.0	307.4
115°	2.7	81.3	185.5	268.1	297.9
117.5°	2.7	79.9	178.8	257.3	288.4
120°	2.7	75.8	172.0	247.8	277.6
122.5°	2.7	71.8	165.2	238.3	268.1
125°	2.7	69.1	158.4	228.9	257.3
127.5°	2.7	65.0	153.0	219.4	245.1
130°	2.7	62.3	146.3	208.5	234.3
132.5°	2.7	58.2	139.5	197.7	222.1
135°	2.7	54.2	132.7	188.2	211.3
137.5°	2.7	48.8	124.6	177.4	199.1
140°	2.7	44.7	113.8	166.6	186.9
142.5°	2.7	42.0	102.9	154.4	173.3
145°	2.7	39.3	92.1	142.2	159.8
147.5°	2.7	36.6	82.6	130.0	146.3
150°	2.7	32.5	73.1	119.2	132.7
152.5°	4.1	29.8	65.0	105.6	119.2
155°	4.1	27.1	56.9	90.7	105.6
157.5°	4.1	24.4	48.8	75.8	92.1
160°	4.1	21.7	42.0	62.3	78.5
162.5°	4.1	20.3	36.6	51.5	66.4
165°	4.1	17.6	31.1	42.0	54.2
167.5°	4.1	13.5	25.7	32.5	44.7
170°	4.1	10.8	20.3	23.0	33.9
172.5°	4.1	8.1	14.9	16.3	17.6
175°	4.1	6.8	9.5	9.5	5.4
177.5°	4.1	5.4	5.4	5.4	2.7
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)