

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: P567002

Luminaire Tested: **4SNX-93HL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567002
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-93HL-FDL-UNV-L930-CD
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

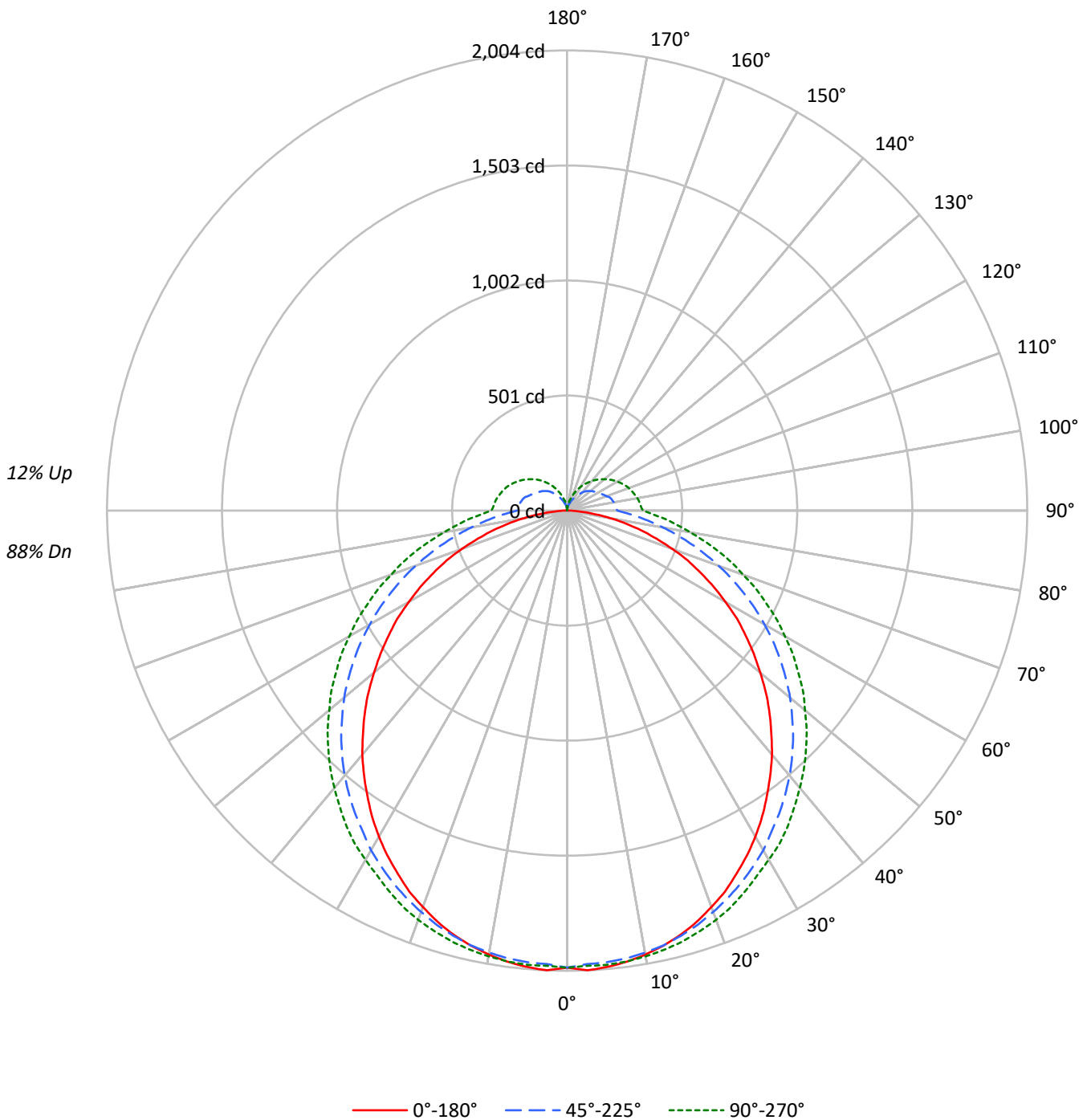
Lumens per Lamp: N/A
Luminaire Lumens: 7166.0 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Semi-Direct

Input Watts (W): 67.4
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	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°	21424	21424	21424
5°	21540	21103	21145
10°	21421	20905	20926
15°	21246	20667	20722
20°	20963	20381	20489
25°	20625	20091	20177
30°	20256	19800	19911
35°	19787	19451	19725
40°	19333	19161	19439
45°	18784	18826	19199
50°	18146	18470	18893
55°	17541	18032	18620
60°	16841	17564	18286
65°	15989	17026	17960
70°	14906	16436	17589
75°	13363	15790	17463
80°	11202	15390	17322
85°	8123	15707	18259



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.0	2.6
10°-20°	543.6	7.6
20°-30°	826.9	11.5
30°-40°	1005.4	14.0
40°-50°	1063.7	14.8
50°-60°	997.1	13.9
60°-70°	820.3	11.4
70°-80°	567.6	7.9
80°-90°	315.6	4.4
90°-100°	207.9	2.9
100°-110°	186.5	2.6
110°-120°	154.3	2.2
120°-130°	119.3	1.7
130°-140°	84.5	1.2
140°-150°	50.9	0.7
150°-160°	24.5	0.3
160°-170°	8.0	0.1
170°-180°	1.0	0.0
0°-30°	1559.4	21.8
0°-40°	2564.9	35.8
0°-60°	4625.7	64.6
0°-90°	6329.2	88.3
90°-120°	548.7	7.7
90°-150°	803.4	11.2
90°-180°	837.0	11.7
0°-180°	7166.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1990	1990	1990	1990	1990	
5°	1995	1992	1974	1990	1986	189
15°	1912	1918	1917	1943	1943	539
25°	1745	1770	1790	1830	1831	804
35°	1517	1557	1610	1662	1676	949
45°	1247	1312	1392	1454	1471	961
55°	949	1033	1133	1204	1228	849
65°	642	734	848	931	957	636
75°	334	431	557	646	681	354
85°	74	183	309	395	430	85
90°	1	103	218	301	330	5
95°	1	98	212	291	319	1
105°	1	85	199	274	298	1
115°	2	74	168	243	270	2
125°	2	63	144	207	233	2
135°	2	49	120	171	191	2
145°	2	36	83	129	145	2
155°	4	24	52	82	96	2
165°	4	16	28	38	49	1
175°	4	6	9	9	5	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1990.4	1990.4	1990.4	1990.4	1990.4
2.5°	2003.9	1997.8	1976.9	1990.4	1984.3
5°	1995.3	1991.7	1974.5	1990.4	1985.5
7.5°	1981.8	1980.6	1967.1	1985.5	1980.6
10°	1963.4	1965.9	1954.9	1974.5	1970.8
12.5°	1940.1	1943.8	1938.9	1961.0	1958.5
15°	1911.9	1918.0	1916.8	1942.6	1942.6
17.5°	1877.5	1886.1	1891.0	1920.5	1920.5
20°	1837.0	1850.5	1860.4	1892.3	1897.2
22.5°	1796.5	1812.5	1827.2	1860.4	1867.7
25°	1745.0	1769.6	1790.4	1829.7	1830.9
27.5°	1694.7	1721.7	1749.9	1788.0	1791.6
30°	1639.5	1673.8	1708.2	1745.0	1756.1
32.5°	1580.6	1618.6	1656.7	1705.7	1720.5
35°	1516.8	1557.3	1610.0	1661.6	1676.3
37.5°	1452.9	1498.4	1559.7	1612.5	1626.0
40°	1387.9	1438.2	1506.9	1560.9	1576.9
42.5°	1315.5	1376.9	1450.5	1508.2	1526.6
45°	1246.8	1311.8	1391.6	1454.2	1471.4
47.5°	1174.4	1243.1	1329.0	1395.3	1414.9
50°	1097.1	1175.6	1267.6	1333.9	1352.3
52.5°	1024.7	1104.4	1201.4	1270.1	1295.9
55°	948.6	1033.3	1132.7	1203.8	1228.4
57.5°	877.4	958.4	1065.2	1136.3	1167.0
60°	796.4	886.0	992.8	1070.1	1094.6
62.5°	720.3	811.1	921.6	1001.4	1029.6
65°	641.8	733.8	848.0	931.4	957.2
67.5°	568.2	659.0	775.6	857.8	890.9
70°	487.2	582.9	701.9	786.6	814.8
72.5°	407.4	506.8	628.3	719.1	751.0
75°	333.8	430.7	557.1	645.5	681.1
77.5°	262.6	360.8	488.4	579.2	609.9
80°	191.4	294.5	424.6	514.2	543.6
82.5°	126.4	234.4	363.2	452.8	484.7
85°	73.6	182.8	309.2	395.1	429.5
87.5°	31.9	138.7	258.9	343.6	371.8
90°	1.2	103.1	218.4	300.7	330.1
92.5°	1.2	100.6	213.5	294.5	322.7
95°	1.2	98.2	212.3	290.8	319.1
97.5°	1.2	96.9	209.8	288.4	315.4
100°	1.2	93.3	206.2	283.5	310.5
102.5°	1.2	88.4	202.5	278.6	304.3
105°	1.2	84.7	198.8	273.7	298.2
107.5°	1.2	81.0	192.7	267.5	292.1
110°	1.2	77.3	182.8	261.4	285.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	76.1	175.5	252.8	278.6
115°	2.5	73.6	168.1	243.0	270.0
117.5°	2.5	72.4	162.0	233.2	261.4
120°	2.5	68.7	155.8	224.6	251.6
122.5°	2.5	65.0	149.7	216.0	243.0
125°	2.5	62.6	143.6	207.4	233.2
127.5°	2.5	58.9	138.7	198.8	222.1
130°	2.5	56.4	132.5	189.0	212.3
132.5°	2.5	52.8	126.4	179.2	201.3
135°	2.5	49.1	120.3	170.6	191.4
137.5°	2.5	44.2	112.9	160.8	180.4
140°	2.5	40.5	103.1	150.9	169.3
142.5°	2.5	38.0	93.3	139.9	157.1
145°	2.5	35.6	83.4	128.9	144.8
147.5°	2.5	33.1	74.9	117.8	132.5
150°	2.5	29.5	66.3	108.0	120.3
152.5°	3.7	27.0	58.9	95.7	108.0
155°	3.7	24.5	51.5	82.2	95.7
157.5°	3.7	22.1	44.2	68.7	83.4
160°	3.7	19.6	38.0	56.4	71.2
162.5°	3.7	18.4	33.1	46.6	60.1
165°	3.7	16.0	28.2	38.0	49.1
167.5°	3.7	12.3	23.3	29.5	40.5
170°	3.7	9.8	18.4	20.9	30.7
172.5°	3.7	7.4	13.5	14.7	16.0
175°	3.7	6.1	8.6	8.6	4.9
177.5°	3.7	4.9	4.9	4.9	2.5
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)