

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: P567037

Luminaire Tested: **4SNX-93HL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567037
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-SLW-UNV-L950-CD
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

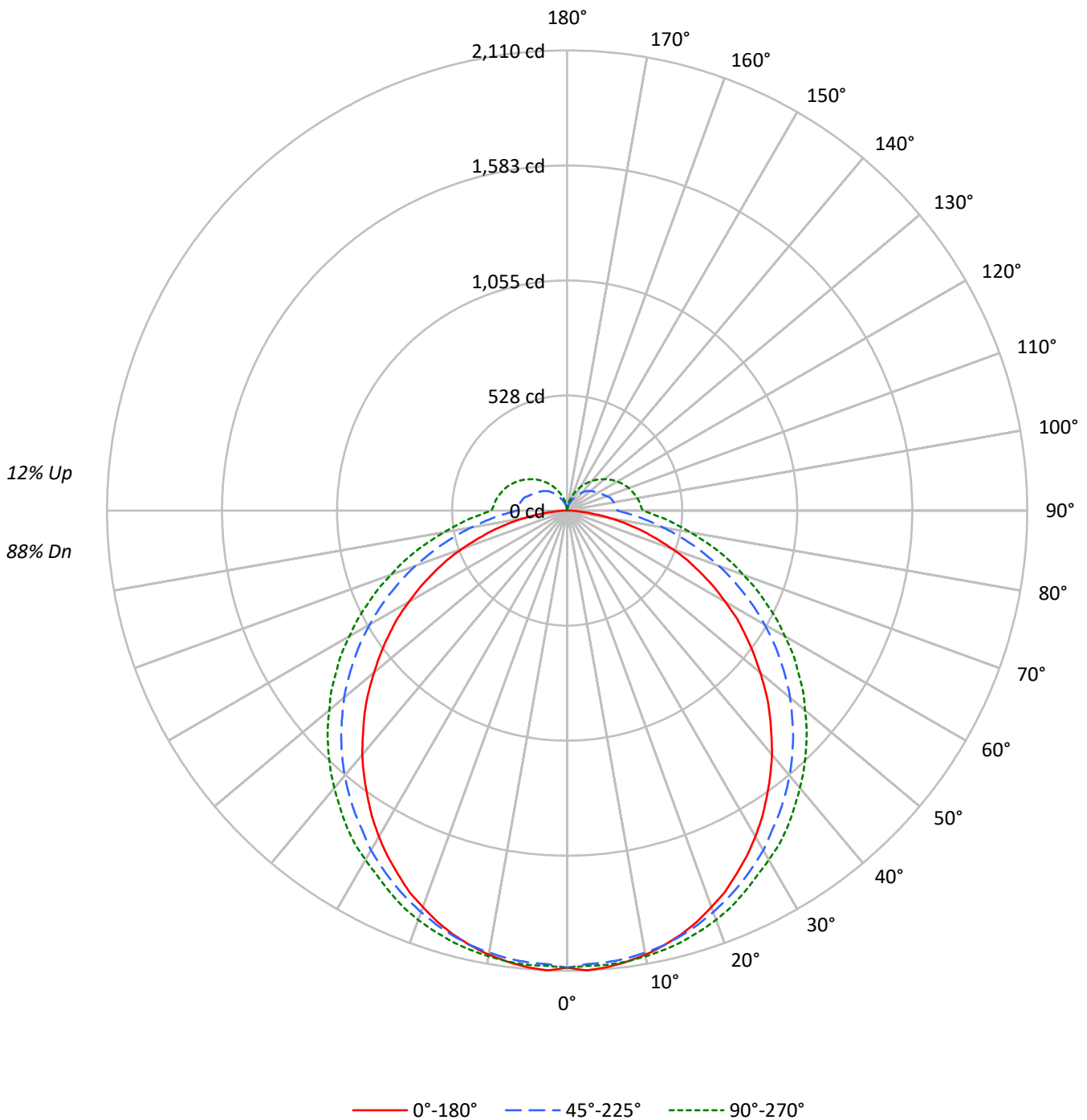
Lumens per Lamp: N/A
Luminaire Lumens: 7546.0 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 67.4
Input Voltage (V): NR
Input Current (A_{in}): 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°	22561	22561	22561
5°	22662	21986	21953
10°	22516	21551	21429
15°	22311	21084	20933
20°	21993	20572	20417
25°	21614	20059	19828
30°	21204	19543	19287
35°	20687	18966	18820
40°	20185	18439	18248
45°	19579	17854	17707
50°	18878	17232	17086
55°	18206	16504	16467
60°	17429	15716	15755
65°	16479	14816	14995
70°	15274	13804	14122
75°	13568	12637	13321
80°	11181	11478	12310
85°	7737	10442	11650



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.0	2.6
10°-20°	572.4	7.6
20°-30°	870.8	11.5
30°-40°	1058.8	14.0
40°-50°	1120.1	14.8
50°-60°	1050.0	13.9
60°-70°	863.8	11.4
70°-80°	597.7	7.9
80°-90°	332.3	4.4
90°-100°	219.0	2.9
100°-110°	196.3	2.6
110°-120°	162.5	2.2
120°-130°	125.6	1.7
130°-140°	88.9	1.2
140°-150°	53.6	0.7
150°-160°	25.8	0.3
160°-170°	8.4	0.1
170°-180°	1.0	0.0
0°-30°	1642.1	21.8
0°-40°	2700.9	35.8
0°-60°	4871.0	64.6
0°-90°	6664.8	88.3
90°-120°	577.8	7.7
90°-150°	846.0	11.2
90°-180°	881.0	11.7
0°-180°	7546.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2096	2096	2096	2096	2096	
5°	2101	2097	2079	2096	2091	199
15°	2013	2020	2018	2046	2046	567
25°	1838	1863	1885	1927	1928	847
35°	1597	1640	1695	1750	1765	1000
45°	1313	1381	1465	1531	1549	1012
55°	999	1088	1193	1268	1294	894
65°	676	773	893	981	1008	670
75°	352	454	587	680	717	373
85°	78	192	326	416	452	89
90°	1	108	230	317	348	5
95°	1	103	224	306	336	1
105°	1	89	209	288	314	1
115°	3	78	177	256	284	2
125°	3	66	151	218	246	2
135°	3	52	127	180	202	2
145°	3	38	88	136	152	2
155°	4	26	54	87	101	2
165°	4	17	30	40	52	1
175°	4	6	9	9	5	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2096.0	2096.0	2096.0	2096.0	2096.0
2.5°	2110.2	2103.7	2081.8	2096.0	2089.5
5°	2101.2	2097.3	2079.2	2096.0	2090.8
7.5°	2086.9	2085.6	2071.4	2090.8	2085.6
10°	2067.6	2070.1	2058.5	2079.2	2075.3
12.5°	2043.0	2046.9	2041.7	2065.0	2062.4
15°	2013.3	2019.7	2018.5	2045.6	2045.6
17.5°	1977.1	1986.1	1991.3	2022.3	2022.3
20°	1934.5	1948.7	1959.0	1992.6	1997.8
22.5°	1891.8	1908.6	1924.1	1959.0	1966.8
25°	1837.5	1863.4	1885.4	1926.7	1928.0
27.5°	1784.6	1813.0	1842.7	1882.8	1886.6
30°	1726.4	1762.6	1798.8	1837.5	1849.2
32.5°	1664.4	1704.4	1744.5	1796.2	1811.7
35°	1597.2	1639.8	1695.4	1749.7	1765.2
37.5°	1530.0	1577.8	1642.4	1698.0	1712.2
40°	1461.5	1514.5	1586.9	1643.7	1660.5
42.5°	1385.3	1449.9	1527.4	1588.1	1607.5
45°	1312.9	1381.4	1465.4	1531.3	1549.4
47.5°	1236.7	1309.0	1399.5	1469.3	1489.9
50°	1155.2	1238.0	1334.9	1404.6	1424.0
52.5°	1079.0	1163.0	1265.1	1337.5	1364.6
55°	998.9	1088.1	1192.7	1267.7	1293.5
57.5°	923.9	1009.2	1121.7	1196.6	1228.9
60°	838.7	933.0	1045.4	1126.8	1152.7
62.5°	758.5	854.2	970.5	1054.5	1084.2
65°	675.8	772.7	892.9	980.8	1007.9
67.5°	598.3	693.9	816.7	903.3	938.2
70°	513.0	613.8	739.2	828.3	858.0
72.5°	429.0	533.7	661.6	757.2	790.8
75°	351.5	453.6	586.7	679.7	717.2
77.5°	276.5	379.9	514.3	609.9	642.2
80°	201.6	310.1	447.1	541.4	572.5
82.5°	133.1	246.8	382.5	476.8	510.4
85°	77.5	192.5	325.6	416.1	452.3
87.5°	33.6	146.0	272.7	361.8	391.5
90°	1.3	108.5	230.0	316.6	347.6
92.5°	1.3	106.0	224.8	310.1	339.9
95°	1.3	103.4	223.6	306.3	336.0
97.5°	1.3	102.1	221.0	303.7	332.1
100°	1.3	98.2	217.1	298.5	326.9
102.5°	1.3	93.0	213.2	293.3	320.5
105°	1.3	89.2	209.3	288.2	314.0
107.5°	1.3	85.3	202.9	281.7	307.5
110°	1.3	81.4	192.5	275.2	301.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	80.1	184.8	266.2	293.3
115°	2.6	77.5	177.0	255.9	284.3
117.5°	2.6	76.2	170.6	245.5	275.2
120°	2.6	72.4	164.1	236.5	264.9
122.5°	2.6	68.5	157.7	227.4	255.9
125°	2.6	65.9	151.2	218.4	245.5
127.5°	2.6	62.0	146.0	209.3	233.9
130°	2.6	59.4	139.6	199.0	223.6
132.5°	2.6	55.6	133.1	188.7	211.9
135°	2.6	51.7	126.6	179.6	201.6
137.5°	2.6	46.5	118.9	169.3	190.0
140°	2.6	42.6	108.5	158.9	178.3
142.5°	2.6	40.1	98.2	147.3	165.4
145°	2.6	37.5	87.9	135.7	152.5
147.5°	2.6	34.9	78.8	124.1	139.6
150°	2.6	31.0	69.8	113.7	126.6
152.5°	3.9	28.4	62.0	100.8	113.7
155°	3.9	25.8	54.3	86.6	100.8
157.5°	3.9	23.3	46.5	72.4	87.9
160°	3.9	20.7	40.1	59.4	74.9
162.5°	3.9	19.4	34.9	49.1	63.3
165°	3.9	16.8	29.7	40.1	51.7
167.5°	3.9	12.9	24.6	31.0	42.6
170°	3.9	10.3	19.4	22.0	32.3
172.5°	3.9	7.8	14.2	15.5	16.8
175°	3.9	6.5	9.0	9.0	5.2
177.5°	3.9	5.2	5.2	5.2	2.6
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)