

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: P567036

Luminaire Tested: **4SNX-93HL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567036
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-L940-CD
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

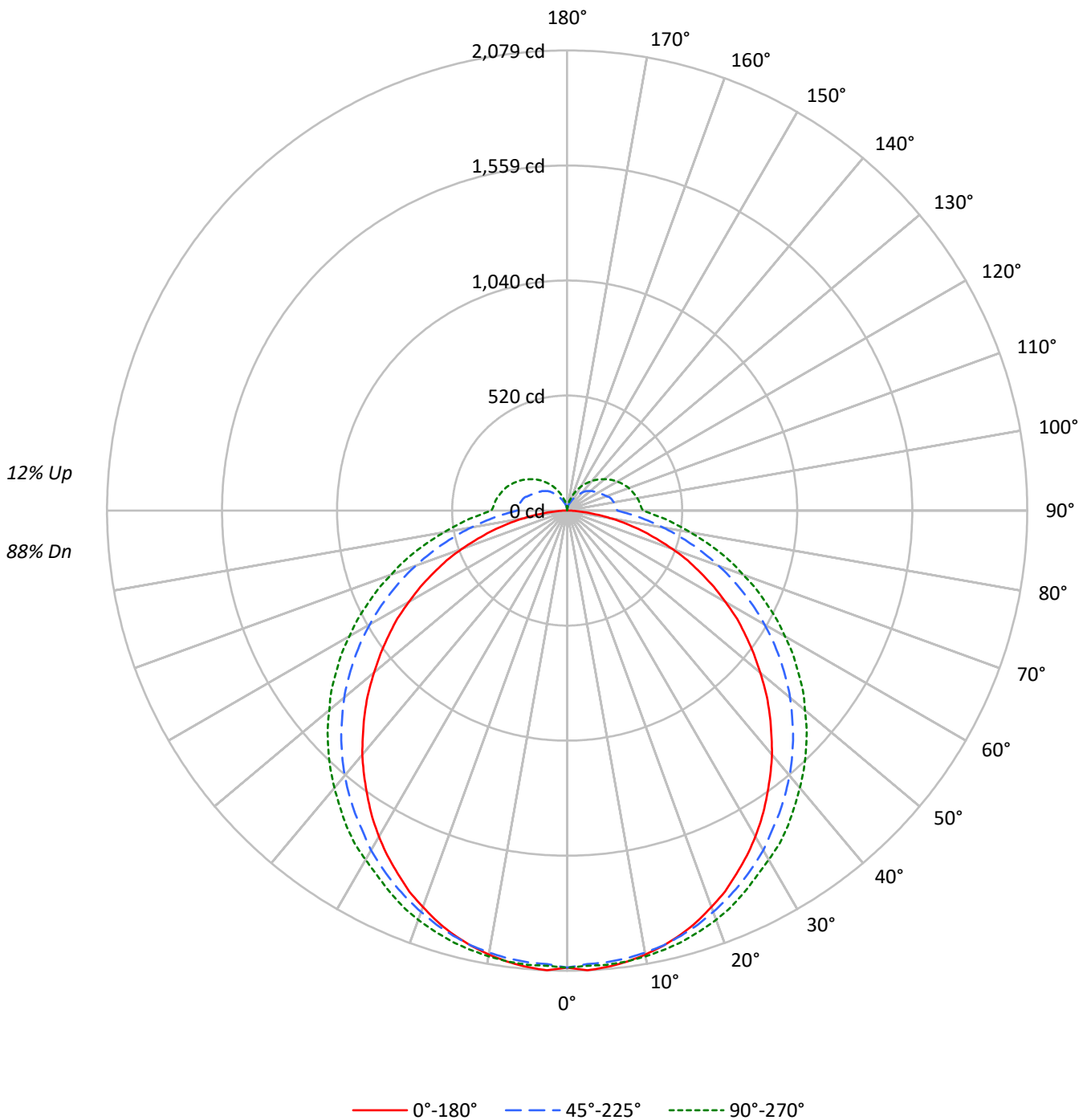
Lumens per Lamp: N/A
Luminaire Lumens: 7434.0 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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	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°	22226	22226	22226
5°	22326	21659	21628
10°	22182	21232	21110
15°	21980	20771	20622
20°	21666	20267	20114
25°	21294	19761	19534
30°	20889	19253	19000
35°	20380	18684	18541
40°	19885	18165	17978
45°	19289	17588	17444
50°	18598	16976	16833
55°	17936	16259	16222
60°	17169	15483	15522
65°	16235	14597	14773
70°	15048	13598	13912
75°	13367	12449	13123
80°	11014	11308	12127
85°	7627	10288	11478



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.0	2.6
10°-20°	563.9	7.6
20°-30°	857.8	11.5
30°-40°	1043.0	14.0
40°-50°	1103.5	14.8
50°-60°	1034.4	13.9
60°-70°	851.0	11.4
70°-80°	588.8	7.9
80°-90°	327.4	4.4
90°-100°	215.7	2.9
100°-110°	193.4	2.6
110°-120°	160.1	2.2
120°-130°	123.8	1.7
130°-140°	87.6	1.2
140°-150°	52.8	0.7
150°-160°	25.4	0.3
160°-170°	8.3	0.1
170°-180°	1.0	0.0
0°-30°	1617.8	21.8
0°-40°	2660.8	35.8
0°-60°	4798.7	64.6
0°-90°	6565.9	88.3
90°-120°	569.2	7.7
90°-150°	833.4	11.2
90°-180°	868.0	11.7
0°-180°	7434.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2065	2065	2065	2065	2065	
5°	2070	2066	2048	2065	2060	196
15°	1983	1990	1988	2015	2015	559
25°	1810	1836	1857	1898	1899	834
35°	1574	1616	1670	1724	1739	985
45°	1293	1361	1444	1509	1526	997
55°	984	1072	1175	1249	1274	881
65°	666	761	880	966	993	660
75°	346	447	578	670	706	367
85°	76	190	321	410	446	88
90°	1	107	227	312	342	5
95°	1	102	220	302	331	1
105°	1	88	206	284	309	1
115°	2	76	174	252	280	2
125°	2	65	149	215	242	2
135°	2	51	125	177	199	2
145°	2	37	87	134	150	2
155°	4	26	54	85	99	2
165°	4	16	29	40	51	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°	2064.9	2064.9	2064.9	2064.9	2064.9
2.5°	2078.9	2072.5	2050.9	2064.9	2058.5
5°	2070.0	2066.2	2048.3	2064.9	2059.8
7.5°	2056.0	2054.7	2040.7	2059.8	2054.7
10°	2036.9	2039.4	2028.0	2048.3	2044.5
12.5°	2012.7	2016.5	2011.4	2034.3	2031.8
15°	1983.4	1989.8	1988.5	2015.2	2015.2
17.5°	1947.8	1956.7	1961.8	1992.3	1992.3
20°	1905.7	1919.8	1929.9	1963.0	1968.1
22.5°	1863.7	1880.3	1895.6	1929.9	1937.6
25°	1810.3	1835.7	1857.4	1898.1	1899.4
27.5°	1758.1	1786.1	1815.4	1854.8	1858.6
30°	1700.8	1736.4	1772.1	1810.3	1821.7
32.5°	1639.7	1679.1	1718.6	1769.5	1784.8
35°	1573.5	1615.5	1670.2	1723.7	1739.0
37.5°	1507.3	1554.4	1618.0	1672.8	1686.8
40°	1439.8	1492.0	1563.3	1619.3	1635.9
42.5°	1364.7	1428.4	1504.7	1564.6	1583.7
45°	1293.4	1360.9	1443.6	1508.6	1526.4
47.5°	1218.3	1289.6	1378.7	1447.5	1467.8
50°	1138.1	1219.6	1315.1	1383.8	1402.9
52.5°	1063.0	1145.7	1246.3	1317.6	1344.3
55°	984.1	1071.9	1175.0	1248.9	1274.3
57.5°	910.2	994.2	1105.0	1178.8	1210.7
60°	826.2	919.1	1029.9	1110.1	1135.6
62.5°	747.3	841.5	956.1	1038.8	1068.1
65°	665.8	761.3	879.7	966.2	993.0
67.5°	589.4	683.6	804.6	889.9	924.2
70°	505.4	604.7	728.2	816.0	845.3
72.5°	422.7	525.8	651.8	746.0	779.1
75°	346.3	446.8	578.0	669.6	706.5
77.5°	272.4	374.3	506.7	600.9	632.7
80°	198.6	305.5	440.5	533.4	564.0
82.5°	131.1	243.2	376.8	469.8	502.9
85°	76.4	189.7	320.8	409.9	445.6
87.5°	33.1	143.9	268.6	356.5	385.7
90°	1.3	106.9	226.6	311.9	342.4
92.5°	1.3	104.4	221.5	305.5	334.8
95°	1.3	101.8	220.2	301.7	331.0
97.5°	1.3	100.6	217.7	299.2	327.2
100°	1.3	96.8	213.9	294.1	322.1
102.5°	1.3	91.7	210.1	289.0	315.7
105°	1.3	87.8	206.2	283.9	309.3
107.5°	1.3	84.0	199.9	277.5	303.0
110°	1.3	80.2	189.7	271.2	296.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	78.9	182.0	262.2	289.0
115°	2.5	76.4	174.4	252.1	280.1
117.5°	2.5	75.1	168.0	241.9	271.2
120°	2.5	71.3	161.7	233.0	261.0
122.5°	2.5	67.5	155.3	224.1	252.1
125°	2.5	64.9	148.9	215.1	241.9
127.5°	2.5	61.1	143.9	206.2	230.4
130°	2.5	58.6	137.5	196.0	220.2
132.5°	2.5	54.7	131.1	185.9	208.8
135°	2.5	50.9	124.8	177.0	198.6
137.5°	2.5	45.8	117.1	166.8	187.1
140°	2.5	42.0	106.9	156.6	175.7
142.5°	2.5	39.5	96.8	145.1	162.9
145°	2.5	36.9	86.6	133.7	150.2
147.5°	2.5	34.4	77.7	122.2	137.5
150°	2.5	30.6	68.7	112.0	124.8
152.5°	3.8	28.0	61.1	99.3	112.0
155°	3.8	25.5	53.5	85.3	99.3
157.5°	3.8	22.9	45.8	71.3	86.6
160°	3.8	20.4	39.5	58.6	73.8
162.5°	3.8	19.1	34.4	48.4	62.4
165°	3.8	16.5	29.3	39.5	50.9
167.5°	3.8	12.7	24.2	30.6	42.0
170°	3.8	10.2	19.1	21.6	31.8
172.5°	3.8	7.6	14.0	15.3	16.5
175°	3.8	6.4	8.9	8.9	5.1
177.5°	3.8	5.1	5.1	5.1	2.5
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)