

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: P567019

Luminaire Tested: **4SNX-93HL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-93HL-LN-UNV-L935-CD
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

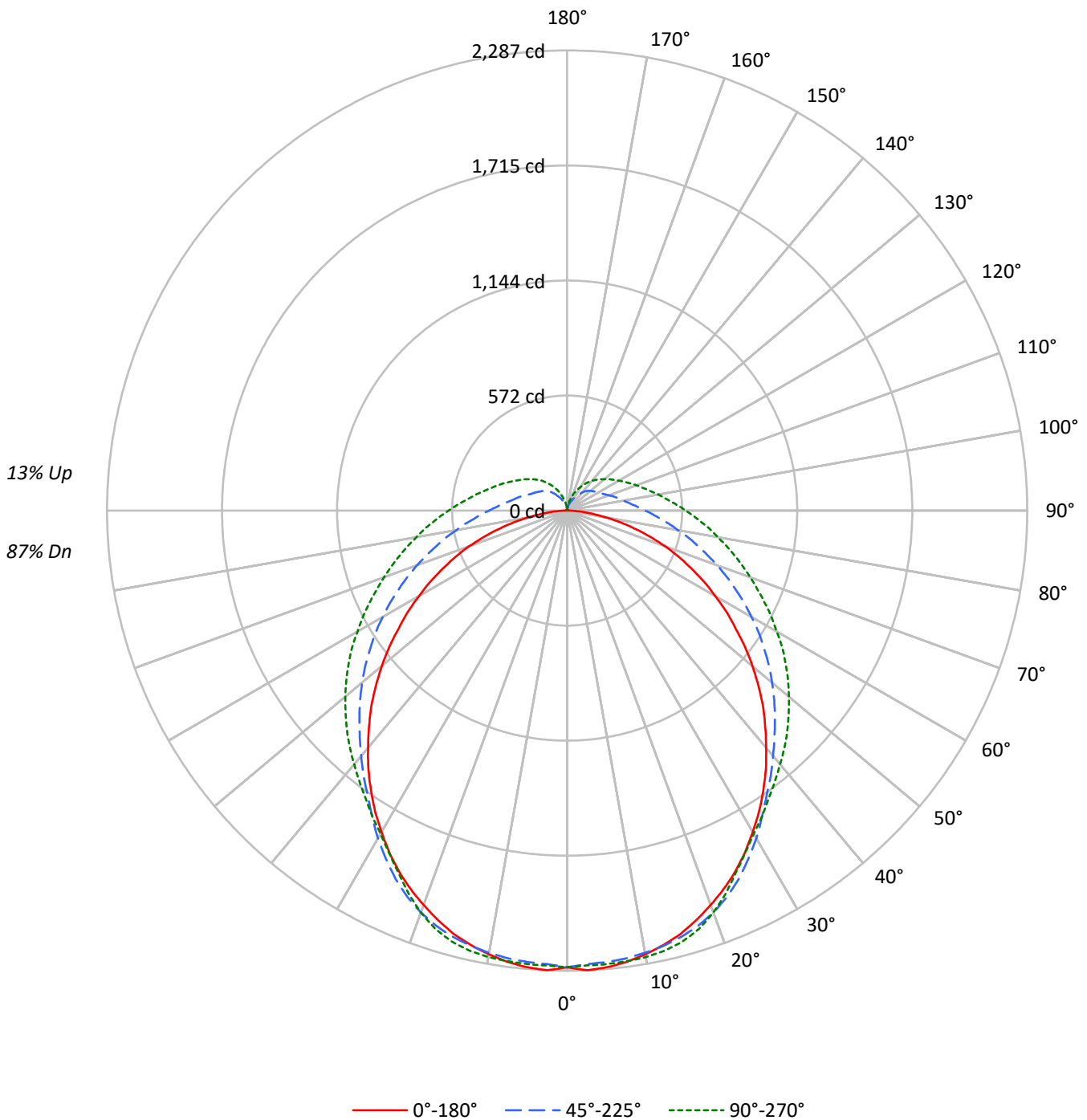
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8194.0 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24433	24433	24433
5°	24527	23309	23103
10°	24297	22406	22037
15°	24005	21551	20962
20°	23543	20592	19592
25°	23047	19434	17985
30°	22391	18134	16644
35°	21691	16812	15643
40°	20897	15750	14833
45°	20118	14808	14134
50°	19192	13940	13430
55°	18109	13070	12741
60°	17071	12202	12019
65°	15915	11327	11358
70°	14594	10506	10761
75°	12550	9705	10269
80°	9892	9012	9852
85°	6626	8521	9613



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.6	2.6
10°-20°	620.0	7.6
20°-30°	923.2	11.3
30°-40°	1089.3	13.3
40°-50°	1136.0	13.9
50°-60°	1067.6	13.0
60°-70°	901.6	11.0
70°-80°	681.2	8.3
80°-90°	469.6	5.7
90°-100°	328.6	4.0
100°-110°	245.2	3.0
110°-120°	184.9	2.3
120°-130°	137.9	1.7
130°-140°	96.8	1.2
140°-150°	58.5	0.7
150°-160°	28.0	0.3
160°-170°	9.0	0.1
170°-180°	1.1	0.0
0°-30°	1758.8	21.5
0°-40°	2848.1	34.8
0°-60°	5051.8	61.7
0°-90°	7104.2	86.7
90°-120°	758.7	9.3
90°-150°	1051.8	12.8
90°-180°	1090.0	13.3
0°-180°	8194.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2270	2270	2270	2270	2270	
5°	2278	2274	2252	2268	2263	216
15°	2178	2188	2194	2221	2217	613
25°	1978	2018	2018	2000	1985	910
35°	1699	1762	1728	1742	1746	1062
45°	1377	1445	1460	1520	1548	1060
55°	1022	1110	1195	1290	1325	917
65°	681	789	922	1043	1084	676
75°	349	483	670	810	861	371
85°	79	249	464	617	671	89
90°	1	176	388	536	589	6
95°	1	138	328	470	518	1
105°	3	99	253	367	408	3
115°	3	85	196	292	329	3
125°	4	72	165	239	270	4
135°	4	56	138	194	218	3
145°	6	40	96	149	167	3
155°	6	26	58	94	110	3
165°	7	17	31	42	56	2
175°	7	7	8	8	4	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2269.9	2269.9	2269.9	2269.9	2269.9
2.5°	2286.6	2281.0	2256.0	2269.9	2262.9
5°	2278.2	2274.1	2251.8	2268.5	2262.9
7.5°	2262.9	2261.6	2244.9	2264.3	2258.8
10°	2239.3	2243.5	2231.0	2257.4	2253.2
12.5°	2211.5	2219.9	2215.7	2244.9	2240.7
15°	2178.2	2187.9	2193.5	2221.3	2217.1
17.5°	2133.8	2151.8	2164.3	2186.5	2179.6
20°	2086.5	2111.5	2125.4	2136.5	2125.4
22.5°	2035.1	2068.5	2076.8	2071.2	2060.1
25°	1978.2	2018.5	2018.5	2000.4	1985.1
27.5°	1914.3	1964.3	1950.4	1929.5	1917.0
30°	1844.8	1904.5	1880.9	1857.3	1854.5
32.5°	1775.3	1837.9	1803.1	1797.6	1801.7
35°	1698.9	1761.5	1728.1	1742.0	1746.2
37.5°	1622.5	1685.1	1662.8	1683.7	1696.2
40°	1539.2	1605.9	1592.0	1629.5	1646.2
42.5°	1457.2	1526.7	1525.3	1573.9	1598.9
45°	1376.7	1444.7	1460.0	1519.7	1547.5
47.5°	1289.1	1358.6	1396.1	1465.6	1493.3
50°	1203.0	1278.0	1329.4	1407.2	1439.2
52.5°	1114.1	1193.3	1264.1	1350.3	1383.6
55°	1022.4	1109.9	1194.7	1290.5	1325.3
57.5°	940.5	1029.4	1129.4	1228.0	1268.3
60°	850.2	948.8	1058.5	1162.7	1203.0
62.5°	768.2	869.6	991.9	1101.6	1144.7
65°	680.7	789.0	922.4	1043.3	1083.5
67.5°	600.1	711.3	857.1	979.4	1023.8
70°	516.8	634.8	793.2	922.4	968.2
72.5°	430.6	555.7	729.3	866.8	914.1
75°	348.7	483.4	669.6	809.9	861.3
77.5°	272.3	414.0	615.4	759.9	809.9
80°	197.3	351.5	558.4	708.5	759.9
82.5°	130.6	297.3	512.6	662.6	716.8
85°	79.2	248.7	464.0	616.8	671.0
87.5°	36.1	208.4	425.1	576.5	629.3
90°	1.4	176.4	387.6	536.2	589.0
92.5°	1.4	154.2	357.0	501.5	552.9
95°	1.4	137.5	327.8	469.5	518.2
97.5°	1.4	126.4	305.6	439.0	486.2
100°	1.4	115.3	283.4	411.2	459.8
102.5°	2.8	105.6	266.7	386.2	432.0
105°	2.8	98.6	252.8	366.7	408.4
107.5°	2.8	94.5	237.5	347.3	386.2
110°	2.8	90.3	220.9	327.8	366.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	87.5	208.4	311.2	348.7
115°	2.8	84.7	195.9	291.7	329.2
117.5°	2.8	83.3	188.9	276.4	312.6
120°	4.2	79.2	180.6	262.6	297.3
122.5°	4.2	75.0	172.3	251.4	282.0
125°	4.2	72.2	165.3	238.9	269.5
127.5°	4.2	68.1	158.4	227.8	255.6
130°	4.2	63.9	152.8	216.7	243.1
132.5°	4.2	59.7	145.9	205.6	230.6
135°	4.2	55.6	137.5	194.5	218.1
137.5°	4.2	51.4	129.2	183.4	205.6
140°	4.2	47.2	118.1	172.3	193.1
142.5°	4.2	43.1	107.0	161.1	179.2
145°	5.6	40.3	95.9	148.6	166.7
147.5°	5.6	36.1	84.7	136.1	151.4
150°	5.6	33.3	76.4	123.6	137.5
152.5°	5.6	29.2	68.1	109.7	123.6
155°	5.6	26.4	58.3	94.5	109.7
157.5°	5.6	23.6	50.0	79.2	95.9
160°	5.6	22.2	43.1	65.3	82.0
162.5°	6.9	19.4	36.1	52.8	68.1
165°	6.9	16.7	30.6	41.7	55.6
167.5°	6.9	13.9	25.0	32.0	43.1
170°	6.9	11.1	19.4	22.2	33.3
172.5°	6.9	8.3	13.9	15.3	16.7
175°	6.9	6.9	8.3	8.3	4.2
177.5°	6.9	6.9	5.6	4.2	1.4
180°	4.2	4.2	4.2	4.2	4.2

(END OF REPORT)