

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: P566877

Luminaire Tested: **4SNX-84HL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566877
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-84HL-LN-UNV-L950-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

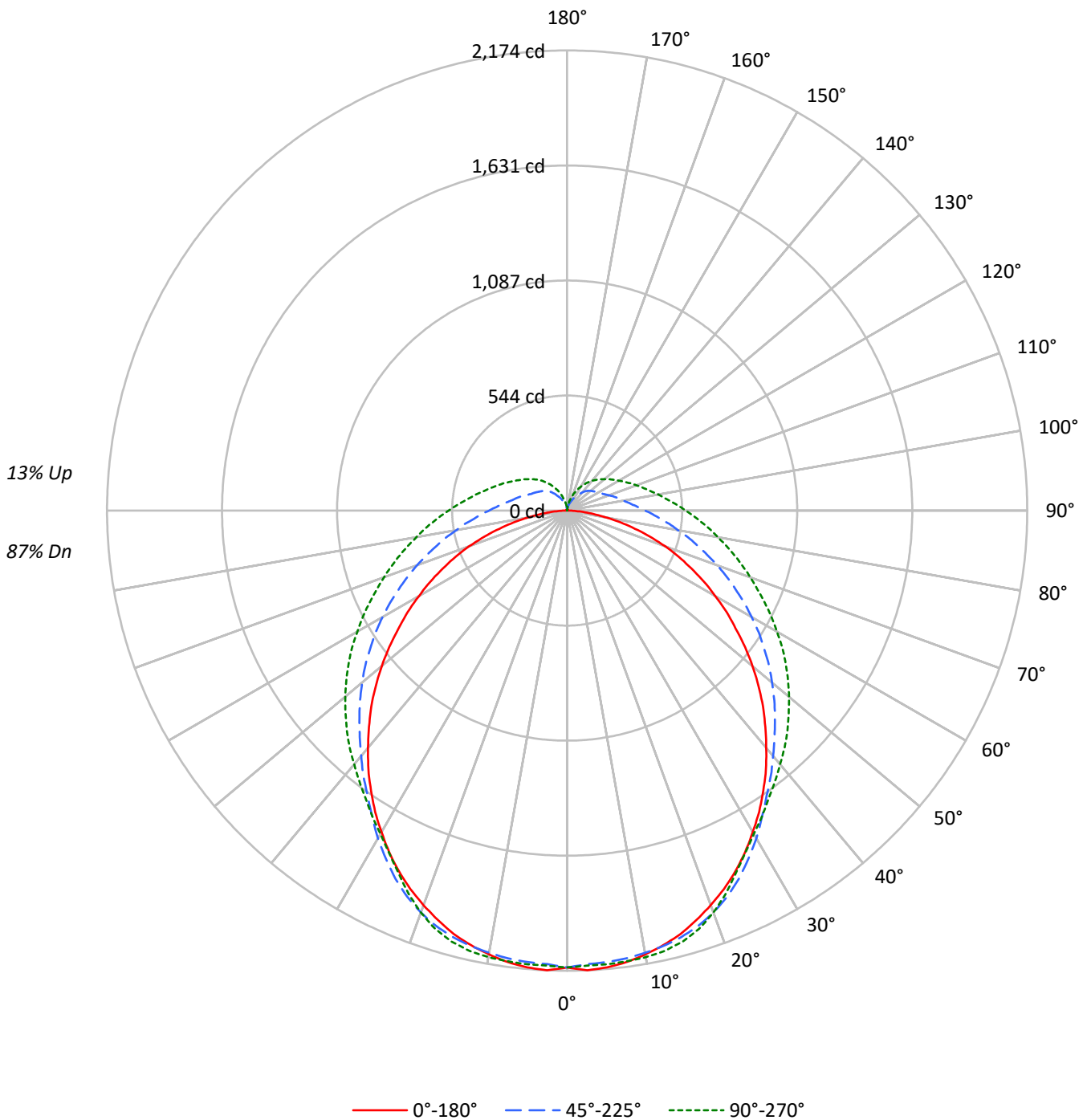
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7791.0 lumens
Efficiency: N/A
Efficacy: 134.6 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): 57.9
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	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°	23232	23232	23232
5°	23321	22163	21967
10°	23102	21304	20953
15°	22825	20491	19931
20°	22386	19579	18629
25°	21913	18478	17101
30°	21290	17242	15825
35°	20625	15985	14874
40°	19869	14975	14103
45°	19129	14080	13439
50°	18248	13255	12769
55°	17218	12427	12114
60°	16232	11602	11428
65°	15132	10769	10800
70°	13877	9989	10232
75°	11931	9227	9764
80°	9406	8570	9368
85°	6299	8102	9141



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.0	2.6
10°-20°	589.5	7.6
20°-30°	877.8	11.3
30°-40°	1035.7	13.3
40°-50°	1080.2	13.9
50°-60°	1015.1	13.0
60°-70°	857.2	11.0
70°-80°	647.7	8.3
80°-90°	446.5	5.7
90°-100°	312.4	4.0
100°-110°	233.2	3.0
110°-120°	175.8	2.3
120°-130°	131.1	1.7
130°-140°	92.0	1.2
140°-150°	55.6	0.7
150°-160°	26.6	0.3
160°-170°	8.5	0.1
170°-180°	1.0	0.0
0°-30°	1672.3	21.5
0°-40°	2708.1	34.8
0°-60°	4803.3	61.7
0°-90°	6754.7	86.7
90°-120°	721.4	9.3
90°-150°	1000.1	12.8
90°-180°	1036.0	13.3
0°-180°	7791.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2158	2158	2158	2158	2158	
5°	2166	2162	2141	2157	2152	206
15°	2071	2080	2086	2112	2108	583
25°	1881	1919	1919	1902	1888	865
35°	1615	1675	1643	1656	1660	1010
45°	1309	1374	1388	1445	1471	1008
55°	972	1055	1136	1227	1260	872
65°	647	750	877	992	1030	643
75°	332	460	637	770	819	353
85°	75	236	441	586	638	84
90°	1	168	368	510	560	5
95°	1	131	312	446	493	1
105°	3	94	240	349	388	3
115°	3	81	186	277	313	3
125°	4	69	157	227	256	4
135°	4	53	131	185	207	3
145°	5	38	91	141	158	3
155°	5	25	56	90	104	2
165°	7	16	29	40	53	2
175°	7	7	8	8	4	1
180°	4	4	4	4	4	



TEST NUMBER: P566877

CATALOG NUMBER: 4SNX-84HL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2158.3	2158.3	2158.3	2158.3	2158.3
2.5°	2174.1	2168.8	2145.0	2158.3	2151.6
5°	2166.2	2162.2	2141.1	2156.9	2151.6
7.5°	2151.6	2150.3	2134.5	2153.0	2147.7
10°	2129.2	2133.2	2121.3	2146.4	2142.4
12.5°	2102.8	2110.7	2106.7	2134.5	2130.5
15°	2071.1	2080.3	2085.6	2112.0	2108.1
17.5°	2028.8	2046.0	2057.9	2079.0	2072.4
20°	1983.9	2007.7	2020.9	2031.5	2020.9
22.5°	1935.0	1966.7	1974.7	1969.4	1958.8
25°	1880.9	1919.2	1919.2	1902.0	1887.5
27.5°	1820.1	1867.7	1854.5	1834.6	1822.8
30°	1754.1	1810.9	1788.4	1766.0	1763.3
32.5°	1688.0	1747.5	1714.4	1709.2	1713.1
35°	1615.4	1674.8	1643.1	1656.3	1660.3
37.5°	1542.7	1602.2	1581.0	1600.9	1612.7
40°	1463.5	1526.9	1513.7	1549.3	1565.2
42.5°	1385.6	1451.6	1450.3	1496.5	1520.3
45°	1309.0	1373.7	1388.2	1445.0	1471.4
47.5°	1225.7	1291.8	1327.4	1393.5	1419.9
50°	1143.8	1215.2	1264.0	1338.0	1368.4
52.5°	1059.3	1134.6	1202.0	1283.9	1315.6
55°	972.1	1055.4	1135.9	1227.1	1260.1
57.5°	894.2	978.7	1073.8	1167.6	1205.9
60°	808.4	902.1	1006.5	1105.5	1143.8
62.5°	730.4	826.8	943.1	1047.4	1088.4
65°	647.2	750.2	877.0	992.0	1030.3
67.5°	570.6	676.3	815.0	931.2	973.5
70°	491.4	603.6	754.2	877.0	920.6
72.5°	409.5	528.3	693.4	824.2	869.1
75°	331.5	459.7	636.6	770.0	818.9
77.5°	258.9	393.6	585.1	722.5	770.0
80°	187.6	334.2	531.0	673.6	722.5
82.5°	124.2	282.7	487.4	630.0	681.6
85°	75.3	236.4	441.2	586.5	638.0
87.5°	34.3	198.1	404.2	548.1	598.3
90°	1.3	167.7	368.5	509.8	560.0
92.5°	1.3	146.6	339.5	476.8	525.7
95°	1.3	130.8	311.7	446.4	492.7
97.5°	1.3	120.2	290.6	417.4	462.3
100°	1.3	109.6	269.5	391.0	437.2
102.5°	2.6	100.4	253.6	367.2	410.8
105°	2.6	93.8	240.4	348.7	388.3
107.5°	2.6	89.8	225.9	330.2	367.2
110°	2.6	85.9	210.0	311.7	348.7



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CATALOG NUMBER: 4SNX-84HL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	83.2	198.1	295.9	331.5
115°	2.6	80.6	186.2	277.4	313.0
117.5°	2.6	79.3	179.6	262.8	297.2
120°	4.0	75.3	171.7	249.6	282.7
122.5°	4.0	71.3	163.8	239.1	268.1
125°	4.0	68.7	157.2	227.2	256.2
127.5°	4.0	64.7	150.6	216.6	243.0
130°	4.0	60.8	145.3	206.1	231.1
132.5°	4.0	56.8	138.7	195.5	219.3
135°	4.0	52.8	130.8	184.9	207.4
137.5°	4.0	48.9	122.8	174.4	195.5
140°	4.0	44.9	112.3	163.8	183.6
142.5°	4.0	40.9	101.7	153.2	170.4
145°	5.3	38.3	91.1	141.3	158.5
147.5°	5.3	34.3	80.6	129.4	144.0
150°	5.3	31.7	72.6	117.6	130.8
152.5°	5.3	27.7	64.7	104.3	117.6
155°	5.3	25.1	55.5	89.8	104.3
157.5°	5.3	22.5	47.6	75.3	91.1
160°	5.3	21.1	40.9	62.1	77.9
162.5°	6.6	18.5	34.3	50.2	64.7
165°	6.6	15.9	29.1	39.6	52.8
167.5°	6.6	13.2	23.8	30.4	40.9
170°	6.6	10.6	18.5	21.1	31.7
172.5°	6.6	7.9	13.2	14.5	15.9
175°	6.6	6.6	7.9	7.9	4.0
177.5°	6.6	6.6	5.3	4.0	1.3
180°	4.0	4.0	4.0	4.0	4.0

(END OF REPORT)