

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: P567407

Luminaire Tested: **8SNX-148HL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567407  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-148HL-LC-UNV-L935-CD  
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

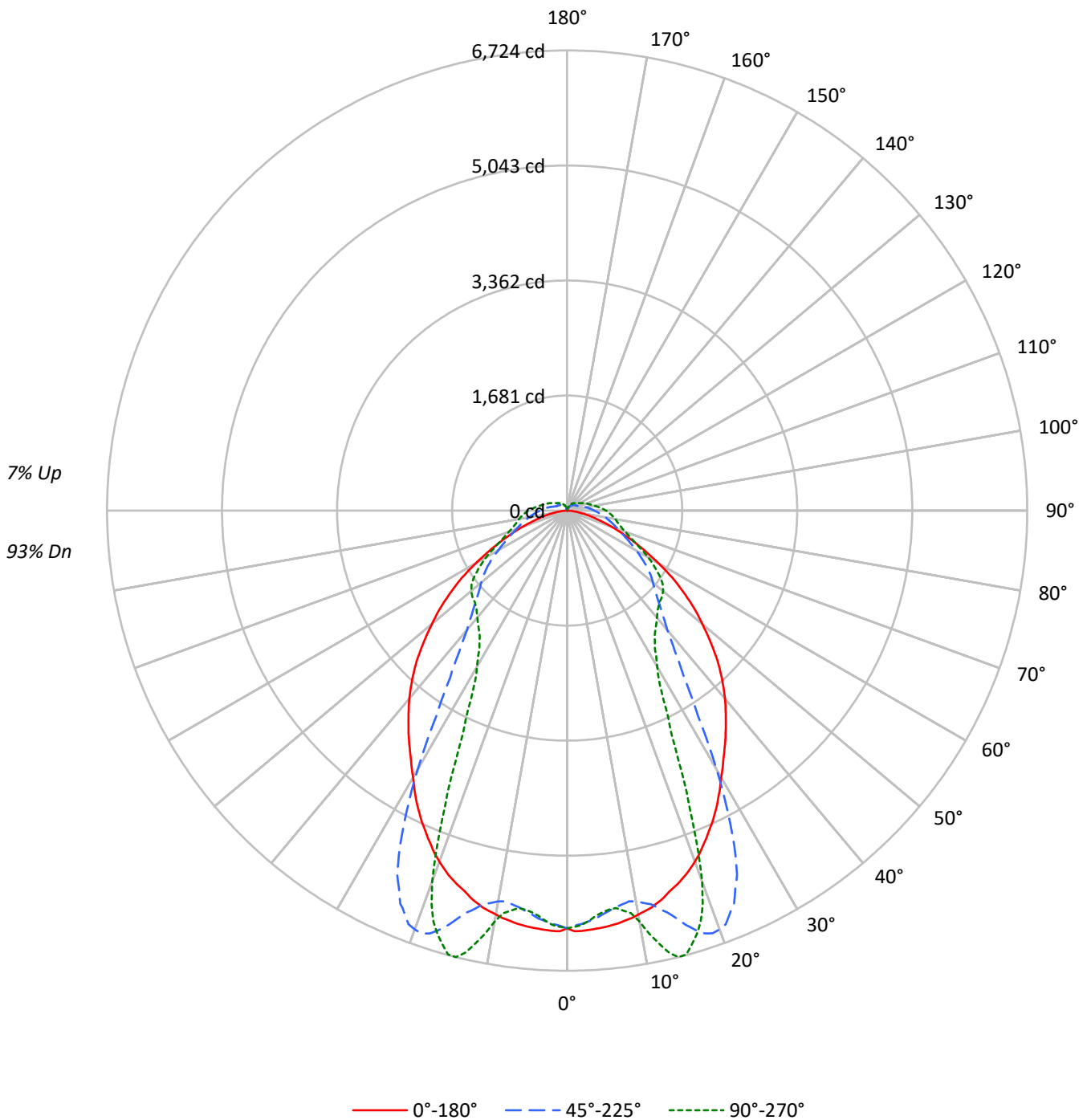
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13571.0 lumens  
Efficiency: N/A  
Efficacy: 131.0 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 103.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36				
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30				
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	32864	32864	32864
5°	32963	30709	30082
10°	32628	29192	29830
15°	31928	30398	31756
20°	31023	31691	26578
25°	29527	28437	16342
30°	27648	21185	11827
35°	26124	14625	9977
40°	24766	11353	9195
45°	23173	9667	8696
50°	21076	8678	8537
55°	18862	7849	7898
60°	15994	6792	6831
65°	13008	5917	5701
70°	10207	5318	5020
75°	7916	4945	4682
80°	5571	4683	4635
85°	3102	4469	4601



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	568.2	4.2
10°-20°	1736.2	12.8
20°-30°	2337.9	17.2
30°-40°	2212.5	16.3
40°-50°	1952.9	14.4
50°-60°	1586.2	11.7
60°-70°	1078.8	7.9
70°-80°	694.1	5.1
80°-90°	461.6	3.4
90°-100°	317.2	2.3
100°-110°	212.9	1.6
110°-120°	150.2	1.1
120°-130°	107.3	0.8
130°-140°	75.7	0.6
140°-150°	47.0	0.3
150°-160°	22.9	0.2
160°-170°	8.0	0.1
170°-180°	1.4	0.0
0°-30°	4642.3	34.2
0°-40°	6854.8	50.5
0°-60°	10393.9	76.6
0°-90°	12628.3	93.1
90°-120°	680.3	5.0
90°-150°	910.3	6.7
90°-180°	943.0	6.9
0°-180°	13571.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6106	6106	6106	6106	6106	
5°	6112	6057	5926	5922	5893	580
15°	5762	5725	6166	6711	6718	1624
25°	5020	5953	5874	4266	3607	2304
35°	4034	5661	2984	2298	2227	2524
45°	3108	3808	1888	1865	1904	2386
55°	2070	2252	1417	1583	1643	1849
65°	1067	1214	949	1055	1088	1071
75°	410	574	669	750	785	446
85°	62	244	474	601	642	81
90°	2	170	396	532	568	4
95°	2	130	334	452	483	2
105°	4	91	220	309	346	4
115°	4	79	162	230	259	5
125°	6	66	139	174	186	6
135°	8	52	114	145	153	6
145°	8	37	81	112	122	6
155°	10	23	50	75	85	5
165°	10	14	27	37	46	3
175°	12	12	12	12	10	1
180°	10	10	10	10	10	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6106.3	6106.3	6106.3	6106.3	6106.3
1°	6147.7	6129.1	6066.9	6100.1	6083.5
2°	6145.7	6114.6	6044.1	6081.4	6060.7
3°	6135.3	6102.1	6011.0	6033.8	6002.7
4°	6124.9	6085.6	5975.7	5975.7	5940.5
5°	6112.5	6056.6	5926.0	5921.9	5892.9
6°	6098.0	6033.8	5882.5	5878.4	5861.8
7°	6077.3	5994.4	5834.8	5863.9	5851.4
8°	6052.4	5957.1	5810.0	5882.5	5901.2
9°	6029.6	5911.5	5781.0	5940.5	5955.0
10°	5992.3	5870.1	5799.6	6056.6	6100.1
11°	5961.2	5834.8	5841.1	6170.5	6301.1
12°	5930.2	5797.5	5880.4	6313.5	6473.0
13°	5878.4	5768.5	5967.5	6468.9	6632.6
14°	5832.8	5745.7	6052.4	6626.4	6723.7
15°	5762.3	5725.0	6166.4	6711.3	6717.5
16°	5714.7	5710.5	6299.0	6717.5	6601.5
17°	5660.8	5704.3	6406.7	6609.8	6473.0
18°	5600.7	5716.7	6495.8	6475.1	6317.6
19°	5532.3	5729.2	6533.1	6288.6	6085.6
20°	5457.7	5747.8	6512.4	6093.8	5766.5
21°	5383.1	5772.7	6473.0	5888.7	5347.9
22.5°	5244.3	5832.8	6286.5	5312.7	4655.9
23°	5204.9	5845.2	6243.0	5132.4	4475.6
24°	5107.6	5897.0	6044.1	4711.8	3999.0
25°	5020.5	5953.0	5874.2	4266.3	3607.4
26°	4923.2	5994.4	5617.3	3856.1	3367.1
27°	4827.8	6019.3	5325.1	3537.0	3097.7
28°	4718.0	6046.2	5008.1	3261.4	2894.6
29°	4614.4	6050.3	4695.2	3041.7	2735.1
30°	4502.5	6029.6	4365.8	2865.6	2635.6
32.5°	4258.0	5915.7	3559.8	2530.0	2387.0
35°	4034.2	5660.8	2983.7	2297.9	2227.4
37.5°	3808.4	5258.8	2579.7	2152.8	2130.0
40°	3586.7	4782.3	2275.1	2036.8	2041.0
42.5°	3352.5	4291.2	2065.8	1941.5	1960.1
45°	3108.0	3808.4	1887.6	1864.8	1904.2
47.5°	2836.6	3367.1	1746.7	1815.1	1875.2
50°	2579.7	2929.9	1636.9	1767.4	1829.6
52.5°	2335.2	2571.4	1537.4	1686.6	1759.2
55°	2070.0	2252.3	1417.3	1583.0	1643.1
57.5°	1817.2	1964.3	1290.9	1454.6	1508.4
60°	1539.5	1680.4	1162.4	1315.7	1367.5
62.5°	1288.8	1438.0	1052.6	1176.9	1218.4
65°	1067.1	1214.2	949.0	1054.7	1087.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	870.3	1027.7	864.0	953.1	984.2
70°	685.8	851.6	789.4	870.3	903.4
72.5°	536.7	704.5	727.3	801.9	835.0
75°	410.3	574.0	669.3	750.1	785.3
77.5°	304.6	468.3	615.4	708.6	745.9
80°	201.0	373.0	567.7	671.3	714.9
82.5°	126.4	300.4	520.1	634.0	679.6
85°	62.2	244.5	474.5	600.9	642.3
87.5°	20.7	203.1	433.1	567.7	603.0
90°	2.1	169.9	395.8	532.5	567.7
92.5°	2.1	147.1	364.7	491.1	526.3
95°	2.1	130.5	333.6	451.7	482.8
97.5°	2.1	118.1	304.6	410.3	443.4
100°	2.1	105.7	273.5	370.9	406.1
102.5°	4.1	97.4	246.6	337.7	375.0
105°	4.1	91.2	219.6	308.7	346.0
107.5°	4.1	87.0	196.8	285.9	321.2
110°	4.1	82.9	180.3	265.2	302.5
112.5°	4.1	80.8	169.9	246.6	281.8
115°	4.1	78.7	161.6	230.0	259.0
117.5°	6.2	76.7	155.4	213.4	236.2
120°	6.2	72.5	151.3	198.9	217.6
122.5°	6.2	68.4	145.0	186.5	201.0
125°	6.2	66.3	138.8	174.1	186.5
127.5°	6.2	62.2	132.6	163.7	176.1
130°	8.3	58.0	126.4	155.4	165.8
132.5°	8.3	53.9	120.2	151.3	159.5
135°	8.3	51.8	114.0	145.0	153.3
137.5°	8.3	47.7	107.7	138.8	147.1
140°	8.3	43.5	99.5	130.5	138.8
142.5°	8.3	41.4	91.2	122.2	130.5
145°	8.3	37.3	80.8	111.9	122.2
147.5°	10.4	35.2	72.5	103.6	111.9
150°	10.4	31.1	64.2	95.3	103.6
152.5°	10.4	26.9	55.9	85.0	93.2
155°	10.4	22.8	49.7	74.6	85.0
157.5°	10.4	20.7	43.5	62.2	74.6
160°	10.4	18.6	37.3	53.9	64.2
162.5°	10.4	16.6	33.2	45.6	55.9
165°	10.4	14.5	26.9	37.3	45.6
167.5°	12.4	14.5	22.8	29.0	37.3
170°	12.4	14.5	18.6	22.8	29.0
172.5°	12.4	12.4	14.5	16.6	18.6
175°	12.4	12.4	12.4	12.4	10.4
177.5°	12.4	12.4	12.4	10.4	10.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	10.4	10.4	10.4	10.4	10.4

(END OF REPORT)