

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: P567406

Luminaire Tested: **8SNX-148HL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567406
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-L930-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

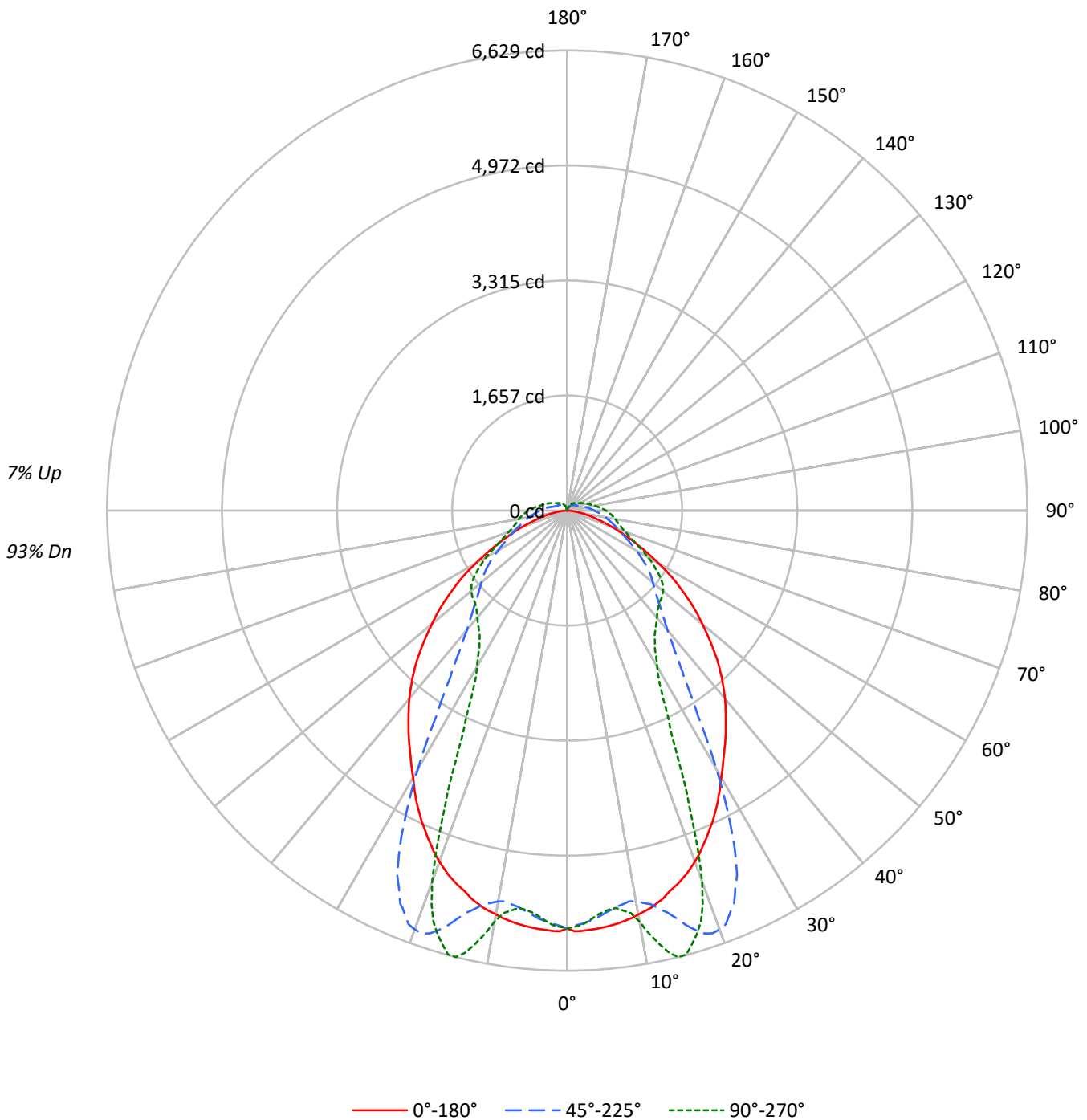
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13380.0 lumens
Efficiency: N/A
Efficacy: 129.2 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_{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	
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°	32401	32401	32401
5°	32499	30277	29658
10°	32169	28782	29410
15°	31479	29970	31309
20°	30586	31245	26203
25°	29111	28036	16112
30°	27260	20887	11660
35°	25757	14419	9837
40°	24417	11193	9066
45°	22847	9532	8574
50°	20780	8556	8417
55°	18596	7738	7787
60°	15770	6697	6735
65°	12825	5833	5621
70°	10064	5244	4950
75°	7804	4875	4615
80°	5494	4617	4569
85°	3057	4406	4537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.2	4.2
10°-20°	1711.8	12.8
20°-30°	2305.0	17.2
30°-40°	2181.4	16.3
40°-50°	1925.4	14.4
50°-60°	1563.8	11.7
60°-70°	1063.6	7.9
70°-80°	684.4	5.1
80°-90°	455.1	3.4
90°-100°	312.7	2.3
100°-110°	209.9	1.6
110°-120°	148.1	1.1
120°-130°	105.8	0.8
130°-140°	74.6	0.6
140°-150°	46.3	0.3
150°-160°	22.6	0.2
160°-170°	7.9	0.1
170°-180°	1.4	0.0
0°-30°	4576.9	34.2
0°-40°	6758.3	50.5
0°-60°	10247.6	76.6
0°-90°	12450.6	93.1
90°-120°	670.7	5.0
90°-150°	897.5	6.7
90°-180°	929.0	6.9
0°-180°	13380.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6020	6020	6020	6020	6020	
5°	6026	5971	5843	5838	5810	572
15°	5681	5644	6080	6617	6623	1602
25°	4950	5869	5792	4206	3557	2271
35°	3978	5581	2942	2266	2196	2489
45°	3064	3755	1861	1839	1877	2353
55°	2041	2221	1397	1561	1620	1823
65°	1052	1197	936	1040	1072	1056
75°	404	566	660	740	774	440
85°	61	241	468	592	633	80
90°	2	168	390	525	560	4
95°	2	129	329	445	476	2
105°	4	90	216	304	341	4
115°	4	78	159	227	255	5
125°	6	65	137	172	184	6
135°	8	51	112	143	151	6
145°	8	37	80	110	120	6
155°	10	22	49	74	84	5
165°	10	14	27	37	45	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°	6020.3	6020.3	6020.3	6020.3	6020.3
1°	6061.2	6042.8	5981.5	6014.2	5997.9
2°	6059.2	6028.5	5959.1	5995.8	5975.4
3°	6048.9	6016.3	5926.4	5948.8	5918.2
4°	6038.7	5999.9	5891.6	5891.6	5856.9
5°	6026.5	5971.3	5842.6	5838.5	5809.9
6°	6012.2	5948.8	5799.7	5795.6	5779.3
7°	5991.7	5910.0	5752.7	5781.3	5769.1
8°	5967.2	5873.3	5728.2	5799.7	5818.1
9°	5944.8	5828.3	5699.6	5856.9	5871.2
10°	5908.0	5787.5	5718.0	5971.3	6014.2
11°	5877.3	5752.7	5758.9	6083.7	6212.4
12°	5846.7	5716.0	5797.7	6224.6	6381.9
13°	5795.6	5687.4	5883.5	6377.8	6539.2
14°	5750.7	5664.9	5967.2	6533.1	6629.1
15°	5681.2	5644.5	6079.6	6616.9	6623.0
16°	5634.2	5630.2	6210.3	6623.0	6508.6
17°	5581.1	5624.0	6316.6	6516.8	6381.9
18°	5521.9	5636.3	6404.4	6384.0	6228.7
19°	5454.5	5648.5	6441.2	6200.1	5999.9
20°	5380.9	5666.9	6420.7	6008.1	5685.3
21°	5307.4	5691.4	6381.9	5805.8	5272.7
22.5°	5170.5	5750.7	6198.1	5237.9	4590.3
23°	5131.7	5762.9	6155.2	5060.2	4412.6
24°	5035.7	5814.0	5959.1	4645.5	3942.7
25°	4949.9	5869.2	5791.5	4206.3	3556.6
26°	4853.9	5910.0	5538.2	3801.8	3319.7
27°	4759.9	5934.5	5250.2	3487.2	3054.1
28°	4651.6	5961.1	4937.6	3215.5	2853.9
29°	4549.5	5965.2	4629.1	2998.9	2696.6
30°	4439.2	5944.8	4304.3	2825.3	2598.5
32.5°	4198.1	5832.4	3509.7	2494.3	2353.4
35°	3977.5	5581.1	2941.7	2265.5	2196.1
37.5°	3754.8	5184.8	2543.4	2122.5	2100.1
40°	3536.2	4714.9	2243.1	2008.1	2012.2
42.5°	3305.4	4230.8	2036.7	1914.2	1932.6
45°	3064.3	3754.8	1861.1	1838.6	1877.4
47.5°	2796.7	3319.7	1722.1	1789.6	1848.8
50°	2543.4	2888.6	1613.9	1742.6	1803.9
52.5°	2302.3	2535.2	1515.8	1662.9	1734.4
55°	2040.8	2220.6	1397.3	1560.8	1620.0
57.5°	1791.6	1936.6	1272.7	1434.1	1487.2
60°	1517.9	1656.8	1146.1	1297.2	1348.3
62.5°	1270.7	1417.8	1037.8	1160.4	1201.2
65°	1052.1	1197.1	935.6	1039.8	1072.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	858.0	1013.3	851.9	939.7	970.4
70°	676.2	839.6	778.3	858.0	890.7
72.5°	529.1	694.6	717.0	790.6	823.3
75°	404.5	565.9	659.8	739.5	774.2
77.5°	300.3	461.7	606.7	698.7	735.4
80°	198.2	367.7	559.7	661.9	704.8
82.5°	124.6	296.2	512.8	625.1	670.1
85°	61.3	241.1	467.8	592.4	633.3
87.5°	20.4	200.2	427.0	559.7	594.5
90°	2.0	167.5	390.2	525.0	559.7
92.5°	2.0	145.0	359.5	484.2	518.9
95°	2.0	128.7	328.9	445.3	476.0
97.5°	2.0	116.4	300.3	404.5	437.2
100°	2.0	104.2	269.7	365.7	400.4
102.5°	4.1	96.0	243.1	333.0	369.8
105°	4.1	89.9	216.5	304.4	341.2
107.5°	4.1	85.8	194.1	281.9	316.6
110°	4.1	81.7	177.7	261.5	298.3
112.5°	4.1	79.7	167.5	243.1	277.8
115°	4.1	77.6	159.3	226.8	255.4
117.5°	6.1	75.6	153.2	210.4	232.9
120°	6.1	71.5	149.1	196.1	214.5
122.5°	6.1	67.4	143.0	183.9	198.2
125°	6.1	65.4	136.9	171.6	183.9
127.5°	6.1	61.3	130.7	161.4	173.6
130°	8.2	57.2	124.6	153.2	163.4
132.5°	8.2	53.1	118.5	149.1	157.3
135°	8.2	51.1	112.4	143.0	151.2
137.5°	8.2	47.0	106.2	136.9	145.0
140°	8.2	42.9	98.1	128.7	136.9
142.5°	8.2	40.9	89.9	120.5	128.7
145°	8.2	36.8	79.7	110.3	120.5
147.5°	10.2	34.7	71.5	102.1	110.3
150°	10.2	30.6	63.3	94.0	102.1
152.5°	10.2	26.6	55.2	83.8	91.9
155°	10.2	22.5	49.0	73.5	83.8
157.5°	10.2	20.4	42.9	61.3	73.5
160°	10.2	18.4	36.8	53.1	63.3
162.5°	10.2	16.3	32.7	44.9	55.2
165°	10.2	14.3	26.6	36.8	44.9
167.5°	12.3	14.3	22.5	28.6	36.8
170°	12.3	14.3	18.4	22.5	28.6
172.5°	12.3	12.3	14.3	16.3	18.4
175°	12.3	12.3	12.3	12.3	10.2
177.5°	12.3	12.3	12.3	10.2	10.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	10.2	10.2	10.2	10.2	10.2

(END OF REPORT)