

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: P567457

Luminaire Tested: **8SNX-162HL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567457
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-162HL-LC-UNV-L950-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

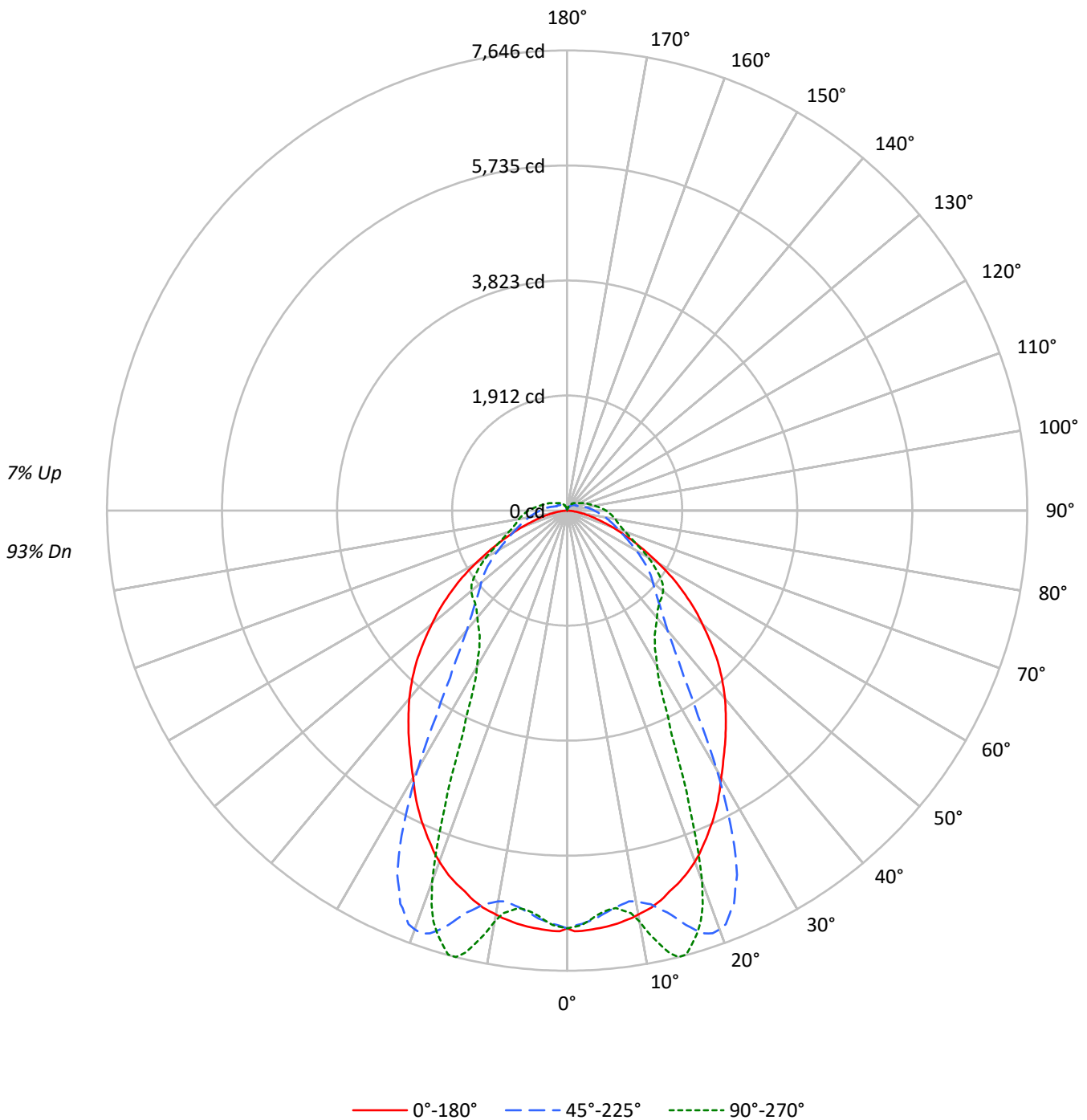
Lumens per Lamp: N/A
Luminaire Lumens: 15432.0 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 110.2
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	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°	37370	37370	37370
5°	37483	34921	34207
10°	37103	33195	33921
15°	36307	34567	36111
20°	35278	36037	30222
25°	33576	32336	18583
30°	31440	24090	13449
35°	29707	16631	11345
40°	28162	12910	10456
45°	26351	10993	9888
50°	23966	9868	9707
55°	21448	8925	8981
60°	18187	7724	7768
65°	14792	6728	6483
70°	11608	6048	5709
75°	9001	5623	5324
80°	6334	5326	5270
85°	3526	5082	5232



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	646.1	4.2
10°-20°	1974.3	12.8
20°-30°	2658.4	17.2
30°-40°	2516.0	16.3
40°-50°	2220.7	14.4
50°-60°	1803.7	11.7
60°-70°	1226.7	7.9
70°-80°	789.3	5.1
80°-90°	524.8	3.4
90°-100°	360.7	2.3
100°-110°	242.1	1.6
110°-120°	170.8	1.1
120°-130°	122.0	0.8
130°-140°	86.1	0.6
140°-150°	53.4	0.3
150°-160°	26.1	0.2
160°-170°	9.1	0.1
170°-180°	1.6	0.0
0°-30°	5278.9	34.2
0°-40°	7794.8	50.5
0°-60°	11819.2	76.6
0°-90°	14360.1	93.1
90°-120°	773.6	5.0
90°-150°	1035.2	6.7
90°-180°	1072.0	6.9
0°-180°	15432.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6944	6944	6944	6944	6944	
5°	6951	6887	6739	6734	6701	659
15°	6552	6510	7012	7632	7639	1847
25°	5709	6769	6680	4851	4102	2620
35°	4588	6437	3393	2613	2533	2871
45°	3534	4331	2146	2121	2165	2713
55°	2354	2561	1612	1800	1868	2102
65°	1213	1381	1079	1199	1237	1218
75°	466	653	761	853	893	508
85°	71	278	540	683	730	93
90°	2	193	450	606	646	4
95°	2	148	379	514	549	2
105°	5	104	250	351	394	5
115°	5	90	184	262	294	6
125°	7	75	158	198	212	7
135°	9	59	130	165	174	7
145°	9	42	92	127	139	6
155°	12	26	56	85	97	5
165°	12	16	31	42	52	4
175°	14	14	14	14	12	1
180°	12	12	12	12	12	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6943.6	6943.6	6943.6	6943.6	6943.6
1°	6990.8	6969.6	6898.9	6936.6	6917.7
2°	6988.4	6953.1	6873.0	6915.4	6891.8
3°	6976.6	6938.9	6835.3	6861.2	6825.8
4°	6964.8	6920.1	6795.2	6795.2	6755.1
5°	6950.7	6887.1	6738.7	6733.9	6701.0
6°	6934.2	6861.2	6689.2	6684.5	6665.6
7°	6910.7	6816.4	6635.0	6668.0	6653.8
8°	6882.4	6774.0	6606.7	6689.2	6710.4
9°	6856.5	6722.2	6573.7	6755.1	6771.6
10°	6814.1	6675.0	6594.9	6887.1	6936.6
11°	6778.7	6635.0	6642.0	7016.7	7165.1
12°	6743.4	6592.6	6686.8	7179.3	7360.7
13°	6684.5	6559.6	6785.8	7356.0	7542.1
14°	6632.6	6533.7	6882.4	7535.0	7645.8
15°	6552.5	6510.1	7012.0	7631.6	7638.7
16°	6498.3	6493.6	7162.8	7638.7	7506.8
17°	6437.1	6486.5	7285.3	7516.2	7360.7
18°	6368.7	6500.7	7386.6	7363.0	7184.0
19°	6291.0	6514.8	7429.0	7151.0	6920.1
20°	6206.2	6536.0	7405.4	6929.5	6557.2
21°	6121.3	6564.3	7360.7	6696.2	6081.3
22.5°	5963.5	6632.6	7148.6	6041.2	5294.3
23°	5918.7	6646.8	7099.1	5836.2	5089.3
24°	5808.0	6705.7	6873.0	5357.9	4547.4
25°	5709.0	6769.3	6679.7	4851.4	4102.1
26°	5598.3	6816.4	6387.6	4384.8	3828.8
27°	5489.9	6844.7	6055.4	4022.0	3522.5
28°	5365.0	6875.3	5694.9	3708.6	3291.6
29°	5247.2	6880.0	5339.1	3458.9	3110.1
30°	5120.0	6856.5	4964.5	3258.6	2997.1
32.5°	4841.9	6726.9	4047.9	2876.9	2714.3
35°	4587.5	6437.1	3392.9	2613.0	2532.9
37.5°	4330.6	5980.0	2933.4	2448.1	2422.1
40°	4078.5	5438.0	2587.1	2316.1	2320.8
42.5°	3812.3	4879.6	2349.1	2207.7	2228.9
45°	3534.3	4330.6	2146.5	2120.6	2165.3
47.5°	3225.6	3828.8	1986.3	2064.0	2132.3
50°	2933.4	3331.6	1861.4	2009.8	2080.5
52.5°	2655.4	2924.0	1748.3	1917.9	2000.4
55°	2353.8	2561.2	1611.6	1800.1	1868.4
57.5°	2066.4	2233.7	1467.9	1654.0	1715.3
60°	1750.6	1910.9	1321.8	1496.2	1555.1
62.5°	1465.5	1635.2	1196.9	1338.3	1385.4
65°	1213.4	1380.7	1079.1	1199.3	1237.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	989.6	1168.7	982.5	1083.8	1119.2
70°	779.9	968.4	897.7	989.6	1027.3
72.5°	610.2	801.1	827.0	911.8	949.5
75°	466.5	652.7	761.0	852.9	893.0
77.5°	346.4	532.5	699.8	805.8	848.2
80°	228.5	424.1	645.6	763.4	812.9
82.5°	143.7	341.6	591.4	721.0	772.8
85°	70.7	278.0	539.6	683.3	730.4
87.5°	23.6	230.9	492.4	645.6	685.6
90°	2.4	193.2	450.0	605.5	645.6
92.5°	2.4	167.3	414.7	558.4	598.5
95°	2.4	148.4	379.3	513.6	549.0
97.5°	2.4	134.3	346.4	466.5	504.2
100°	2.4	120.2	311.0	421.8	461.8
102.5°	4.7	110.7	280.4	384.1	426.5
105°	4.7	103.7	249.8	351.1	393.5
107.5°	4.7	99.0	223.8	325.2	365.2
110°	4.7	94.2	205.0	301.6	344.0
112.5°	4.7	91.9	193.2	280.4	320.4
115°	4.7	89.5	183.8	261.5	294.5
117.5°	7.1	87.2	176.7	242.7	268.6
120°	7.1	82.5	172.0	226.2	247.4
122.5°	7.1	77.8	164.9	212.1	228.5
125°	7.1	75.4	157.9	197.9	212.1
127.5°	7.1	70.7	150.8	186.1	200.3
130°	9.4	66.0	143.7	176.7	188.5
132.5°	9.4	61.3	136.7	172.0	181.4
135°	9.4	58.9	129.6	164.9	174.4
137.5°	9.4	54.2	122.5	157.9	167.3
140°	9.4	49.5	113.1	148.4	157.9
142.5°	9.4	47.1	103.7	139.0	148.4
145°	9.4	42.4	91.9	127.2	139.0
147.5°	11.8	40.1	82.5	117.8	127.2
150°	11.8	35.3	73.0	108.4	117.8
152.5°	11.8	30.6	63.6	96.6	106.0
155°	11.8	25.9	56.5	84.8	96.6
157.5°	11.8	23.6	49.5	70.7	84.8
160°	11.8	21.2	42.4	61.3	73.0
162.5°	11.8	18.8	37.7	51.8	63.6
165°	11.8	16.5	30.6	42.4	51.8
167.5°	14.1	16.5	25.9	33.0	42.4
170°	14.1	16.5	21.2	25.9	33.0
172.5°	14.1	14.1	16.5	18.8	21.2
175°	14.1	14.1	14.1	14.1	11.8
177.5°	14.1	14.1	14.1	11.8	11.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.8	11.8	11.8	11.8	11.8

(END OF REPORT)