

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: P567455

Luminaire Tested: **8SNX-162HL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567455
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-L935-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

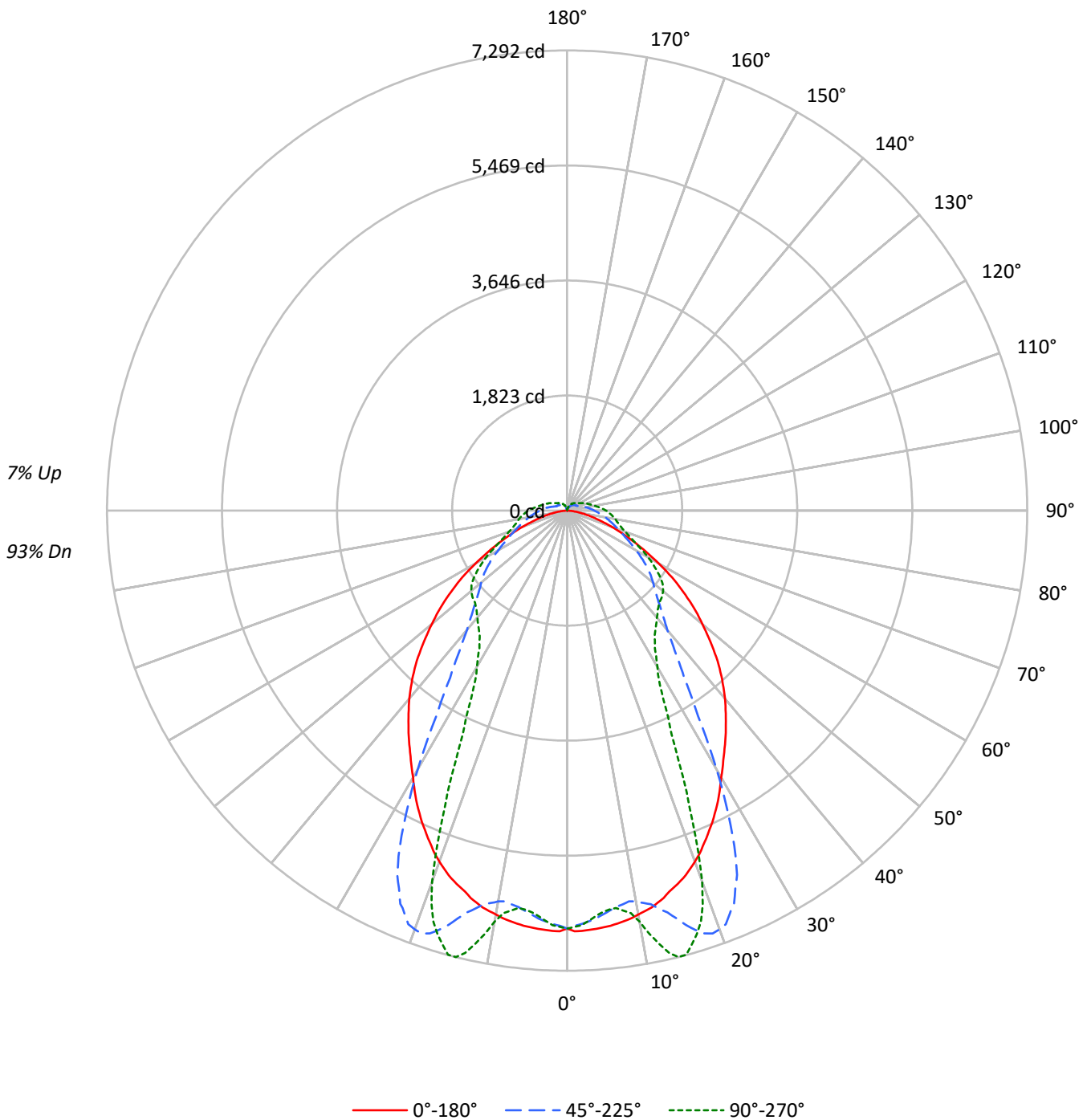
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14719.0 lumens
Efficiency: N/A
Efficacy: 133.6 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 (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	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°	35644	35644	35644
5°	35751	33307	32627
10°	35388	31662	32354
15°	34629	32970	34442
20°	33647	34372	28826
25°	32024	30842	17724
30°	29987	22977	12828
35°	28334	15862	10821
40°	26861	12313	9973
45°	25134	10485	9432
50°	22859	9412	9259
55°	20457	8513	8566
60°	17348	7367	7409
65°	14109	6417	6184
70°	11072	5768	5445
75°	8586	5363	5077
80°	6043	5080	5026
85°	3362	4847	4991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.3	4.2
10°-20°	1883.1	12.8
20°-30°	2535.6	17.2
30°-40°	2399.7	16.3
40°-50°	2118.1	14.4
50°-60°	1720.3	11.7
60°-70°	1170.0	7.9
70°-80°	752.9	5.1
80°-90°	500.6	3.4
90°-100°	344.0	2.3
100°-110°	230.9	1.6
110°-120°	162.9	1.1
120°-130°	116.4	0.8
130°-140°	82.1	0.6
140°-150°	51.0	0.3
150°-160°	24.9	0.2
160°-170°	8.7	0.1
170°-180°	1.5	0.0
0°-30°	5035.0	34.2
0°-40°	7434.7	50.5
0°-60°	11273.1	76.6
0°-90°	13696.6	93.1
90°-120°	737.9	5.0
90°-150°	987.3	6.7
90°-180°	1022.0	6.9
0°-180°	14719.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6623	6623	6623	6623	6623	
5°	6630	6569	6427	6423	6391	629
15°	6250	6209	6688	7279	7286	1762
25°	5445	6456	6371	4627	3913	2499
35°	4376	6140	3236	2492	2416	2738
45°	3371	4131	2047	2023	2065	2588
55°	2245	2443	1537	1717	1782	2005
65°	1157	1317	1029	1144	1180	1162
75°	445	622	726	814	852	484
85°	67	265	515	652	697	88
90°	2	184	429	578	616	4
95°	2	142	362	490	524	2
105°	4	99	238	335	375	4
115°	4	85	175	250	281	5
125°	7	72	151	189	202	6
135°	9	56	124	157	166	7
145°	9	40	88	121	133	6
155°	11	25	54	81	92	5
165°	11	16	29	40	49	3
175°	14	14	14	14	11	1
180°	11	11	11	11	11	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6622.8	6622.8	6622.8	6622.8	6622.8
1°	6667.8	6647.5	6580.1	6616.1	6598.1
2°	6665.5	6631.8	6555.4	6595.9	6573.4
3°	6654.3	6618.3	6519.4	6544.2	6510.5
4°	6643.1	6600.4	6481.2	6481.2	6443.0
5°	6629.6	6568.9	6427.3	6422.8	6391.4
6°	6613.8	6544.2	6380.1	6375.6	6357.6
7°	6591.4	6501.5	6328.4	6359.9	6346.4
8°	6564.4	6461.0	6301.5	6380.1	6400.3
9°	6539.7	6411.6	6270.0	6443.0	6458.8
10°	6499.2	6366.6	6290.2	6568.9	6616.1
11°	6465.5	6328.4	6335.2	6692.5	6834.1
12°	6431.8	6288.0	6377.9	6847.6	7020.6
13°	6375.6	6256.5	6472.3	7016.1	7193.6
14°	6326.2	6231.8	6564.4	7186.9	7292.5
15°	6249.8	6209.3	6688.0	7279.0	7285.8
16°	6198.1	6193.6	6831.8	7285.8	7159.9
17°	6139.7	6186.8	6948.7	7168.9	7020.6
18°	6074.5	6200.3	7045.3	7022.8	6852.1
19°	6000.3	6213.8	7085.8	6820.6	6600.4
20°	5919.4	6234.0	7063.3	6609.3	6254.3
21°	5838.5	6261.0	7020.6	6386.9	5800.3
22.5°	5687.9	6326.2	6818.3	5762.1	5049.7
23°	5645.2	6339.7	6771.1	5566.6	4854.2
24°	5539.6	6395.8	6555.4	5110.4	4337.3
25°	5445.2	6456.5	6371.1	4627.2	3912.6
26°	5339.6	6501.5	6092.5	4182.2	3651.9
27°	5236.2	6528.4	5775.6	3836.2	3359.7
28°	5117.1	6557.7	5431.8	3537.3	3139.5
29°	5004.8	6562.1	5092.4	3299.1	2966.5
30°	4883.4	6539.7	4735.1	3108.0	2858.6
32.5°	4618.2	6416.1	3860.9	2744.0	2588.9
35°	4375.5	6139.7	3236.1	2492.3	2415.9
37.5°	4130.6	5703.7	2797.9	2335.0	2310.2
40°	3890.1	5186.8	2467.5	2209.1	2213.6
42.5°	3636.1	4654.2	2240.6	2105.7	2126.0
45°	3371.0	4130.6	2047.3	2022.6	2065.3
47.5°	3076.6	3651.9	1894.5	1968.6	2033.8
50°	2797.9	3177.7	1775.4	1917.0	1984.4
52.5°	2532.7	2788.9	1667.5	1829.3	1908.0
55°	2245.1	2442.8	1537.2	1716.9	1782.1
57.5°	1970.9	2130.5	1400.1	1577.6	1636.0
60°	1669.8	1822.6	1260.7	1427.0	1483.2
62.5°	1397.8	1559.6	1141.6	1276.5	1321.4
65°	1157.4	1316.9	1029.3	1143.9	1179.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	943.9	1114.7	937.1	1033.8	1067.5
70°	743.9	923.6	856.2	943.9	979.8
72.5°	582.1	764.1	788.8	869.7	905.7
75°	445.0	622.5	725.9	813.5	851.7
77.5°	330.4	507.9	667.5	768.6	809.0
80°	218.0	404.5	615.8	728.1	775.3
82.5°	137.1	325.9	564.1	687.7	737.1
85°	67.4	265.2	514.6	651.7	696.7
87.5°	22.5	220.2	469.7	615.8	654.0
90°	2.2	184.3	429.2	577.6	615.8
92.5°	2.2	159.6	395.5	532.6	570.8
95°	2.2	141.6	361.8	489.9	523.6
97.5°	2.2	128.1	330.4	445.0	480.9
100°	2.2	114.6	296.6	402.3	440.5
102.5°	4.5	105.6	267.4	366.3	406.8
105°	4.5	98.9	238.2	334.8	375.3
107.5°	4.5	94.4	213.5	310.1	348.3
110°	4.5	89.9	195.5	287.7	328.1
112.5°	4.5	87.6	184.3	267.4	305.6
115°	4.5	85.4	175.3	249.5	280.9
117.5°	6.7	83.2	168.5	231.5	256.2
120°	6.7	78.7	164.1	215.7	236.0
122.5°	6.7	74.2	157.3	202.3	218.0
125°	6.7	71.9	150.6	188.8	202.3
127.5°	6.7	67.4	143.8	177.5	191.0
130°	9.0	62.9	137.1	168.5	179.8
132.5°	9.0	58.4	130.3	164.1	173.0
135°	9.0	56.2	123.6	157.3	166.3
137.5°	9.0	51.7	116.9	150.6	159.6
140°	9.0	47.2	107.9	141.6	150.6
142.5°	9.0	44.9	98.9	132.6	141.6
145°	9.0	40.5	87.6	121.4	132.6
147.5°	11.2	38.2	78.7	112.4	121.4
150°	11.2	33.7	69.7	103.4	112.4
152.5°	11.2	29.2	60.7	92.1	101.1
155°	11.2	24.7	53.9	80.9	92.1
157.5°	11.2	22.5	47.2	67.4	80.9
160°	11.2	20.2	40.5	58.4	69.7
162.5°	11.2	18.0	36.0	49.4	60.7
165°	11.2	15.7	29.2	40.5	49.4
167.5°	13.5	15.7	24.7	31.5	40.5
170°	13.5	15.7	20.2	24.7	31.5
172.5°	13.5	13.5	15.7	18.0	20.2
175°	13.5	13.5	13.5	13.5	11.2
177.5°	13.5	13.5	13.5	11.2	11.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.2	11.2	11.2	11.2	11.2

(END OF REPORT)