

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: P567695

Luminaire Tested: **8SNX-200HL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567695
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-200HL-LC-UNV-L935-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

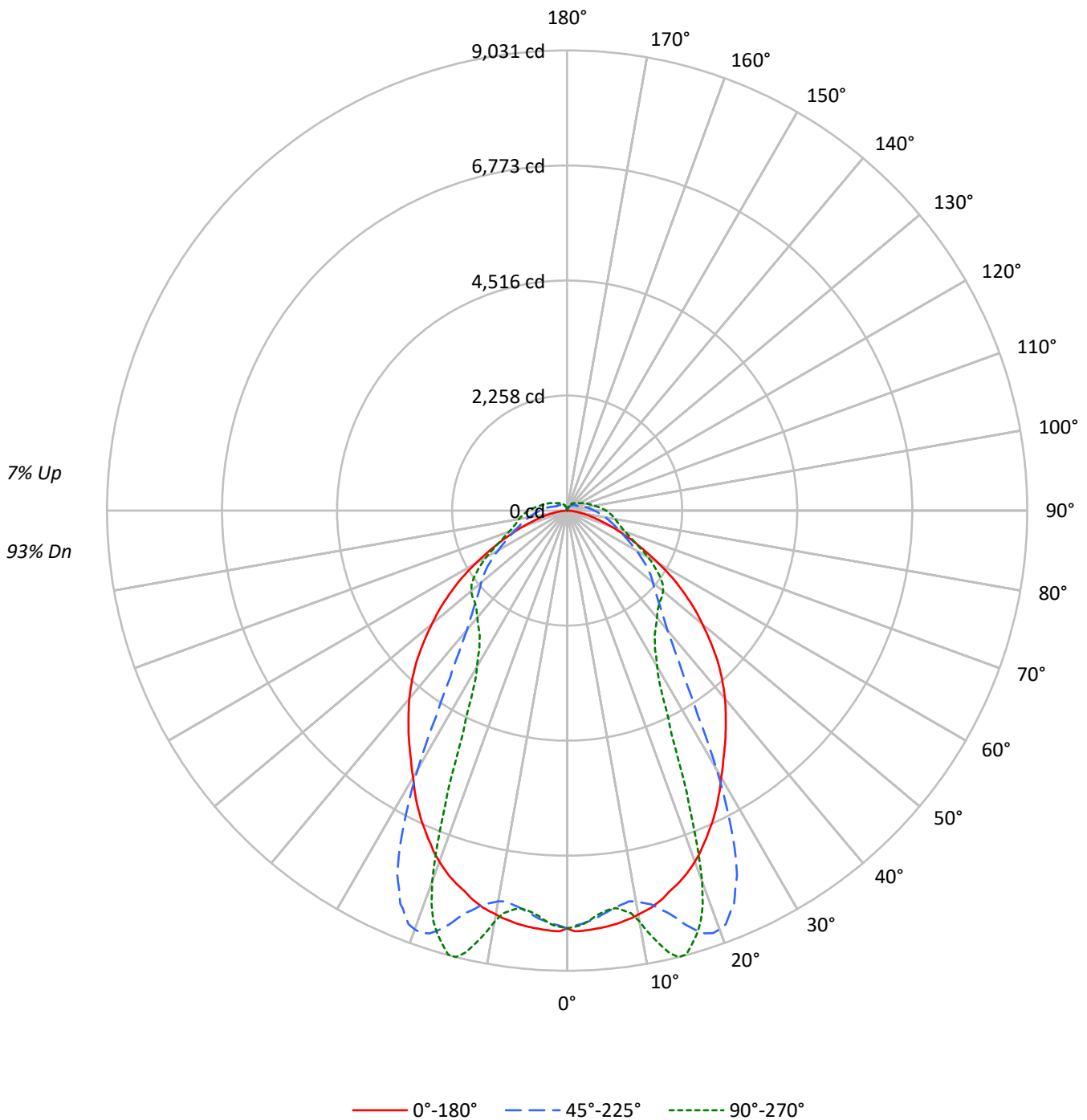
Lumens per Lamp: N/A
Luminaire Lumens: 18227.0 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 145
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	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°	44139	44139	44139
5°	44272	41245	40402
10°	43822	39208	40064
15°	42883	40827	42651
20°	41667	42564	35696
25°	39657	38193	21949
30°	37135	28453	15885
35°	35087	19643	13400
40°	33262	15248	12350
45°	31124	12984	11679
50°	28307	11655	11465
55°	25332	10542	10608
60°	21481	9123	9175
65°	17471	7947	7658
70°	13710	7143	6743
75°	10631	6642	6288
80°	7481	6290	6224
85°	4165	6002	6180



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	763.1	4.2
10°-20°	2331.9	12.8
20°-30°	3139.9	17.2
30°-40°	2971.6	16.3
40°-50°	2622.9	14.4
50°-60°	2130.4	11.7
60°-70°	1448.9	7.9
70°-80°	932.3	5.1
80°-90°	619.9	3.4
90°-100°	426.0	2.3
100°-110°	286.0	1.6
110°-120°	201.7	1.1
120°-130°	144.1	0.8
130°-140°	101.7	0.6
140°-150°	63.1	0.3
150°-160°	30.8	0.2
160°-170°	10.8	0.1
170°-180°	1.9	0.0
0°-30°	6235.0	34.2
0°-40°	9206.6	50.5
0°-60°	13959.8	76.6
0°-90°	16960.9	93.1
90°-120°	913.7	5.0
90°-150°	1222.6	6.7
90°-180°	1266.0	6.9
0°-180°	18227.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8201	8201	8201	8201	8201	
5°	8210	8134	7959	7954	7915	779
15°	7739	7689	8282	9014	9022	2182
25°	6743	7995	7890	5730	4845	3094
35°	5418	7603	4007	3086	2992	3391
45°	4174	5115	2535	2505	2558	3205
55°	2780	3025	1904	2126	2207	2483
65°	1433	1631	1275	1416	1461	1439
75°	551	771	899	1007	1055	600
85°	84	328	637	807	863	109
90°	3	228	532	715	762	5
95°	3	175	448	607	648	2
105°	6	122	295	415	465	6
115°	6	106	217	309	348	7
125°	8	89	186	234	250	8
135°	11	70	153	195	206	9
145°	11	50	108	150	164	8
155°	14	31	67	100	114	6
165°	14	20	36	50	61	4
175°	17	17	17	17	14	2
180°	14	14	14	14	14	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8201.3	8201.3	8201.3	8201.3	8201.3
1°	8256.9	8231.9	8148.4	8192.9	8170.6
2°	8254.1	8212.4	8117.8	8167.9	8140.0
3°	8240.2	8195.7	8073.2	8103.9	8062.1
4°	8226.3	8173.4	8025.9	8025.9	7978.6
5°	8209.6	8134.5	7959.1	7953.6	7914.6
6°	8190.1	8103.9	7900.7	7895.1	7872.9
7°	8162.3	8051.0	7836.7	7875.7	7859.0
8°	8128.9	8000.9	7803.3	7900.7	7925.7
9°	8098.3	7939.7	7764.3	7978.6	7998.1
10°	8048.2	7884.0	7789.4	8134.5	8192.9
11°	8006.4	7836.7	7845.0	8287.5	8462.8
12°	7964.7	7786.6	7897.9	8479.5	8693.8
13°	7895.1	7747.6	8014.8	8688.3	8908.1
14°	7833.9	7717.0	8128.9	8899.8	9030.6
15°	7739.3	7689.2	8282.0	9013.9	9022.2
16°	7675.3	7669.7	8460.1	9022.2	8866.4
17°	7602.9	7661.4	8604.8	8877.5	8693.8
18°	7522.2	7678.1	8724.4	8696.6	8485.1
19°	7430.4	7694.8	8774.5	8446.1	8173.4
20°	7330.2	7719.8	8746.7	8184.6	7744.9
21°	7230.0	7753.2	8693.8	7909.0	7182.7
22.5°	7043.6	7833.9	8443.4	7135.4	6253.2
23°	6990.7	7850.6	8384.9	6893.3	6011.1
24°	6859.9	7920.2	8117.8	6328.3	5371.0
25°	6743.0	7995.3	7889.6	5730.0	4845.1
26°	6612.2	8051.0	7544.5	5179.0	4522.2
27°	6484.2	8084.4	7152.1	4750.4	4160.5
28°	6336.7	8120.5	6726.3	4380.3	3887.7
29°	6197.6	8126.1	6306.1	4085.3	3673.4
30°	6047.3	8098.3	5863.6	3848.8	3539.9
32.5°	5718.9	7945.2	4781.0	3397.9	3205.9
35°	5418.3	7602.9	4007.4	3086.3	2991.6
37.5°	5115.0	7063.0	3464.7	2891.4	2860.8
40°	4817.2	6423.0	3055.6	2735.6	2741.2
42.5°	4502.8	5763.4	2774.6	2607.6	2632.6
45°	4174.4	5115.0	2535.2	2504.6	2557.5
47.5°	3809.8	4522.2	2346.0	2437.8	2518.5
50°	3464.7	3935.0	2198.5	2373.8	2457.3
52.5°	3136.3	3453.6	2064.9	2265.3	2362.7
55°	2780.1	3025.0	1903.5	2126.1	2206.9
57.5°	2440.6	2638.2	1733.8	1953.6	2026.0
60°	2067.7	2256.9	1561.2	1767.2	1836.7
62.5°	1731.0	1931.3	1413.7	1580.7	1636.4
65°	1433.2	1630.8	1274.6	1416.5	1461.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1168.8	1380.3	1160.5	1280.1	1321.9
70°	921.1	1143.8	1060.3	1168.8	1213.4
72.5°	720.8	946.2	976.8	1077.0	1121.5
75°	551.0	770.9	898.9	1007.4	1054.7
77.5°	409.1	628.9	826.5	951.8	1001.8
80°	269.9	500.9	762.5	901.7	960.1
82.5°	169.8	403.5	698.5	851.6	912.8
85°	83.5	328.4	637.3	807.0	862.7
87.5°	27.8	272.7	581.6	762.5	809.8
90°	2.8	228.2	531.5	715.2	762.5
92.5°	2.8	197.6	489.8	659.6	706.9
95°	2.8	175.3	448.0	606.7	648.4
97.5°	2.8	158.6	409.1	551.0	595.5
100°	2.8	141.9	367.3	498.1	545.5
102.5°	5.6	130.8	331.2	453.6	503.7
105°	5.6	122.4	295.0	414.7	464.7
107.5°	5.6	116.9	264.4	384.0	431.4
110°	5.6	111.3	242.1	356.2	406.3
112.5°	5.6	108.5	228.2	331.2	378.5
115°	5.6	105.8	217.1	308.9	347.9
117.5°	8.3	103.0	208.7	286.6	317.3
120°	8.3	97.4	203.2	267.2	292.2
122.5°	8.3	91.8	194.8	250.5	269.9
125°	8.3	89.1	186.5	233.8	250.5
127.5°	8.3	83.5	178.1	219.9	236.5
130°	11.1	77.9	169.8	208.7	222.6
132.5°	11.1	72.4	161.4	203.2	214.3
135°	11.1	69.6	153.1	194.8	205.9
137.5°	11.1	64.0	144.7	186.5	197.6
140°	11.1	58.4	133.6	175.3	186.5
142.5°	11.1	55.7	122.4	164.2	175.3
145°	11.1	50.1	108.5	150.3	164.2
147.5°	13.9	47.3	97.4	139.1	150.3
150°	13.9	41.7	86.3	128.0	139.1
152.5°	13.9	36.2	75.1	114.1	125.2
155°	13.9	30.6	66.8	100.2	114.1
157.5°	13.9	27.8	58.4	83.5	100.2
160°	13.9	25.0	50.1	72.4	86.3
162.5°	13.9	22.3	44.5	61.2	75.1
165°	13.9	19.5	36.2	50.1	61.2
167.5°	16.7	19.5	30.6	39.0	50.1
170°	16.7	19.5	25.0	30.6	39.0
172.5°	16.7	16.7	19.5	22.3	25.0
175°	16.7	16.7	16.7	16.7	13.9
177.5°	16.7	16.7	16.7	13.9	13.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	13.9	13.9	13.9	13.9	13.9

(END OF REPORT)