

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: P567696

Luminaire Tested: **8SNX-200HL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567696
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-L940-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

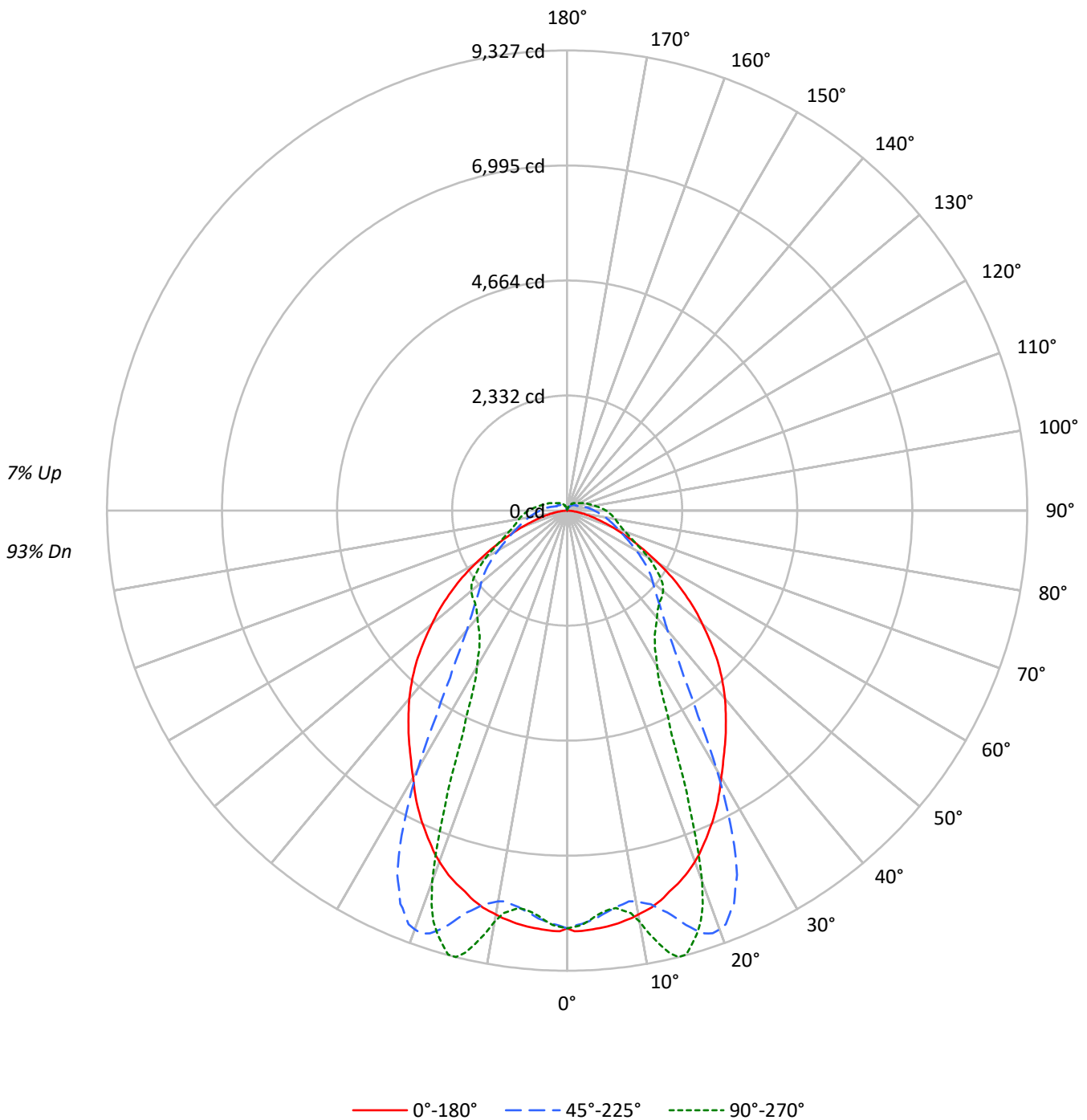
Lumens per Lamp: N/A
Luminaire Lumens: 18825.0 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 145
Input Voltage (V): NR
Input Current (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°	45587	45587	45587
5°	45724	42598	41728
10°	45260	40494	41379
15°	44289	42167	44050
20°	43034	43961	36867
25°	40958	39446	22668
30°	38353	29387	16406
35°	36239	20287	13840
40°	34354	15748	12755
45°	32145	13410	12062
50°	29235	12037	11841
55°	26163	10888	10956
60°	22186	9422	9476
65°	18044	8207	7909
70°	14160	7378	6964
75°	10980	6860	6494
80°	7728	6496	6428
85°	4299	6199	6383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.2	4.2
10°-20°	2408.4	12.8
20°-30°	3243.0	17.2
30°-40°	3069.1	16.3
40°-50°	2708.9	14.4
50°-60°	2200.2	11.7
60°-70°	1496.4	7.9
70°-80°	962.9	5.1
80°-90°	640.2	3.4
90°-100°	440.0	2.3
100°-110°	295.4	1.6
110°-120°	208.3	1.1
120°-130°	148.8	0.8
130°-140°	105.0	0.6
140°-150°	65.2	0.3
150°-160°	31.8	0.2
160°-170°	11.1	0.1
170°-180°	1.9	0.0
0°-30°	6439.5	34.2
0°-40°	9508.7	50.5
0°-60°	14417.9	76.6
0°-90°	17517.4	93.1
90°-120°	943.7	5.0
90°-150°	1262.7	6.7
90°-180°	1308.0	6.9
0°-180°	18825.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8470	8470	8470	8470	8470	
5°	8479	8401	8220	8214	8174	804
15°	7993	7942	8554	9310	9318	2253
25°	6964	8258	8148	5918	5004	3196
35°	5596	7852	4139	3188	3090	3502
45°	4311	5283	2618	2587	2641	3310
55°	2871	3124	1966	2196	2279	2564
65°	1480	1684	1316	1463	1509	1486
75°	569	796	928	1040	1089	619
85°	86	339	658	834	891	113
90°	3	236	549	739	788	5
95°	3	181	463	627	670	2
105°	6	126	305	428	480	6
115°	6	109	224	319	359	7
125°	9	92	193	241	259	8
135°	12	72	158	201	213	9
145°	12	52	112	155	170	8
155°	14	32	69	104	118	7
165°	14	20	37	52	63	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°	8470.3	8470.3	8470.3	8470.3	8470.3
1°	8527.8	8501.9	8415.7	8461.7	8438.7
2°	8524.9	8481.8	8384.1	8435.8	8407.1
3°	8510.6	8464.6	8338.1	8369.7	8326.6
4°	8496.2	8441.6	8289.2	8289.2	8240.4
5°	8478.9	8401.3	8220.3	8214.5	8174.3
6°	8458.8	8369.7	8159.9	8154.2	8131.2
7°	8430.1	8315.1	8093.8	8134.0	8116.8
8°	8395.6	8263.4	8059.3	8159.9	8185.8
9°	8364.0	8200.1	8019.1	8240.4	8260.5
10°	8312.2	8142.7	8044.9	8401.3	8461.7
11°	8269.1	8093.8	8102.4	8559.4	8740.5
12°	8226.0	8042.1	8157.0	8757.7	8979.1
13°	8154.2	8001.8	8277.7	8973.3	9200.4
14°	8090.9	7970.2	8395.6	9191.8	9326.8
15°	7993.2	7941.5	8553.7	9309.6	9318.2
16°	7927.1	7921.3	8737.6	9318.2	9157.3
17°	7852.4	7912.7	8887.1	9168.8	8979.1
18°	7769.0	7930.0	9010.7	8981.9	8763.5
19°	7674.2	7947.2	9062.4	8723.3	8441.6
20°	7570.7	7973.1	9033.7	8453.1	7999.0
21°	7467.2	8007.6	8979.1	8168.5	7418.4
22.5°	7274.6	8090.9	8720.4	7369.5	6458.4
23°	7220.0	8108.2	8660.0	7119.4	6208.3
24°	7084.9	8180.0	8384.1	6536.0	5547.2
25°	6964.2	8257.6	8148.4	5918.0	5004.0
26°	6829.1	8315.1	7792.0	5348.9	4670.6
27°	6696.9	8349.6	7386.7	4906.3	4297.0
28°	6544.6	8387.0	6947.0	4524.0	4015.3
29°	6400.9	8392.7	6513.0	4219.4	3794.0
30°	6245.7	8364.0	6056.0	3975.0	3656.0
32.5°	5906.5	8205.9	4937.9	3509.4	3311.1
35°	5596.1	7852.4	4138.9	3187.5	3089.8
37.5°	5282.8	7294.8	3578.4	2986.3	2954.7
40°	4975.3	6633.7	3155.9	2825.4	2831.1
42.5°	4650.5	5952.5	2865.6	2693.1	2719.0
45°	4311.3	5282.8	2618.4	2586.8	2641.4
47.5°	3934.8	4670.6	2423.0	2517.8	2601.2
50°	3578.4	4064.1	2270.6	2451.7	2537.9
52.5°	3239.2	3566.9	2132.7	2339.6	2440.2
55°	2871.3	3124.3	1966.0	2195.9	2279.3
57.5°	2520.7	2724.8	1790.6	2017.7	2092.4
60°	2135.5	2331.0	1612.4	1825.1	1897.0
62.5°	1787.8	1994.7	1460.1	1632.6	1690.0
65°	1480.2	1684.3	1316.4	1463.0	1509.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1207.2	1425.6	1198.5	1322.1	1365.3
70°	951.4	1181.3	1095.1	1207.2	1253.2
72.5°	744.4	977.2	1008.9	1112.3	1158.3
75°	569.1	796.2	928.4	1040.5	1089.3
77.5°	422.5	649.6	853.6	983.0	1034.7
80°	278.8	517.4	787.5	931.2	991.6
82.5°	175.3	416.8	721.4	879.5	942.7
85°	86.2	339.2	658.2	833.5	891.0
87.5°	28.7	281.7	600.7	787.5	836.4
90°	2.9	235.7	549.0	738.7	787.5
92.5°	2.9	204.1	505.9	681.2	730.1
95°	2.9	181.1	462.7	626.6	669.7
97.5°	2.9	163.8	422.5	569.1	615.1
100°	2.9	146.6	379.4	514.5	563.3
102.5°	5.7	135.1	342.0	468.5	520.2
105°	5.7	126.5	304.7	428.3	480.0
107.5°	5.7	120.7	273.1	396.6	445.5
110°	5.7	115.0	250.1	367.9	419.6
112.5°	5.7	112.1	235.7	342.0	390.9
115°	5.7	109.2	224.2	319.0	359.3
117.5°	8.6	106.3	215.6	296.0	327.7
120°	8.6	100.6	209.8	275.9	301.8
122.5°	8.6	94.8	201.2	258.7	278.8
125°	8.6	92.0	192.6	241.4	258.7
127.5°	8.6	86.2	183.9	227.1	244.3
130°	11.5	80.5	175.3	215.6	229.9
132.5°	11.5	74.7	166.7	209.8	221.3
135°	11.5	71.9	158.1	201.2	212.7
137.5°	11.5	66.1	149.5	192.6	204.1
140°	11.5	60.4	138.0	181.1	192.6
142.5°	11.5	57.5	126.5	169.6	181.1
145°	11.5	51.7	112.1	155.2	169.6
147.5°	14.4	48.9	100.6	143.7	155.2
150°	14.4	43.1	89.1	132.2	143.7
152.5°	14.4	37.4	77.6	117.8	129.3
155°	14.4	31.6	69.0	103.5	117.8
157.5°	14.4	28.7	60.4	86.2	103.5
160°	14.4	25.9	51.7	74.7	89.1
162.5°	14.4	23.0	46.0	63.2	77.6
165°	14.4	20.1	37.4	51.7	63.2
167.5°	17.2	20.1	31.6	40.2	51.7
170°	17.2	20.1	25.9	31.6	40.2
172.5°	17.2	17.2	20.1	23.0	25.9
175°	17.2	17.2	17.2	17.2	14.4
177.5°	17.2	17.2	17.2	14.4	14.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	14.4	14.4	14.4	14.4	14.4

(END OF REPORT)