

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: P567691

Luminaire Tested: **8SNX-200HL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567691
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-L835-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

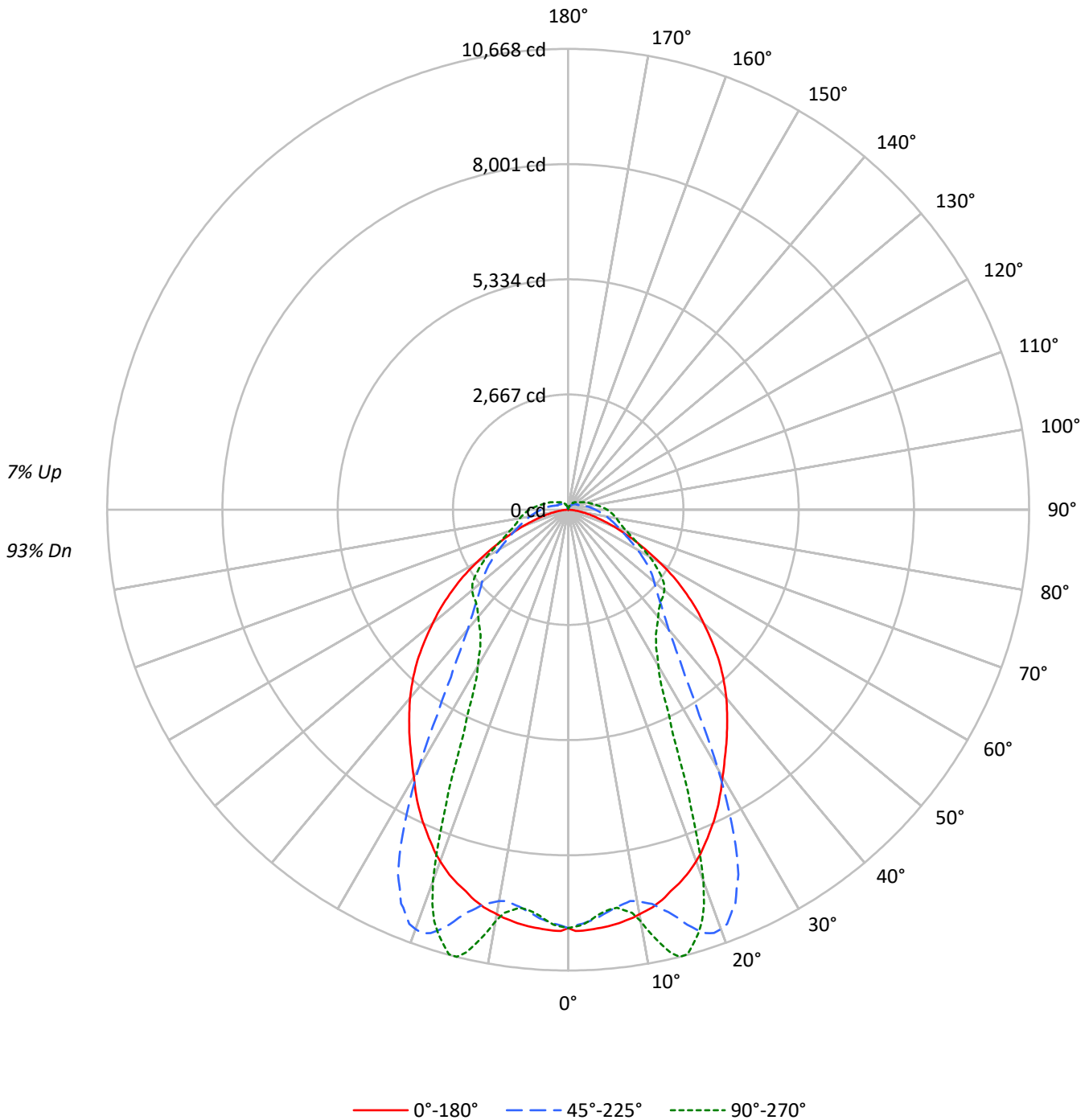
Lumens per Lamp: N/A
Luminaire Lumens: 21531.0 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

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	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°	52140	52140	52140
5°	52297	48722	47726
10°	51766	46315	47327
15°	50656	48228	50383
20°	49219	50280	42167
25°	46846	45116	25927
30°	43866	33611	18764
35°	41448	23203	15829
40°	39292	18012	14589
45°	36766	15338	13796
50°	33438	13768	13544
55°	29925	12453	12530
60°	25375	10777	10839
65°	20638	9387	9046
70°	16195	8438	7965
75°	12559	7845	7427
80°	8839	7430	7352
85°	4918	7090	7300



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	901.5	4.2
10°-20°	2754.6	12.8
20°-30°	3709.1	17.2
30°-40°	3510.3	16.3
40°-50°	3098.4	14.4
50°-60°	2516.5	11.7
60°-70°	1711.5	7.9
70°-80°	1101.3	5.1
80°-90°	732.3	3.4
90°-100°	503.3	2.3
100°-110°	337.8	1.6
110°-120°	238.3	1.1
120°-130°	170.2	0.8
130°-140°	120.1	0.6
140°-150°	74.6	0.3
150°-160°	36.4	0.2
160°-170°	12.7	0.1
170°-180°	2.2	0.0
0°-30°	7365.2	34.2
0°-40°	10875.5	50.5
0°-60°	16490.4	76.6
0°-90°	20035.4	93.1
90°-120°	1079.4	5.0
90°-150°	1444.3	6.7
90°-180°	1496.0	6.9
0°-180°	21531.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9688	9688	9688	9688	9688	
5°	9698	9609	9402	9395	9349	920
15°	9142	9083	9783	10648	10658	2577
25°	7965	9445	9320	6769	5723	3655
35°	6400	8981	4734	3646	3534	4005
45°	4931	6042	2995	2959	3021	3786
55°	3284	3573	2249	2512	2607	2933
65°	1693	1926	1506	1673	1726	1700
75°	651	911	1062	1190	1246	708
85°	99	388	753	953	1019	129
90°	3	270	628	845	901	6
95°	3	207	529	717	766	3
105°	7	145	348	490	549	7
115°	7	125	256	365	411	8
125°	10	105	220	276	296	9
135°	13	82	181	230	243	10
145°	13	59	128	178	194	9
155°	16	36	79	118	135	8
165°	16	23	43	59	72	5
175°	20	20	20	20	16	2
180°	16	16	16	16	16	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9687.9	9687.9	9687.9	9687.9	9687.9
1°	9753.6	9724.1	9625.4	9678.0	9651.7
2°	9750.3	9701.0	9589.3	9648.4	9615.6
3°	9733.9	9681.3	9536.7	9572.8	9523.5
4°	9717.5	9655.0	9480.8	9480.8	9424.9
5°	9697.8	9609.0	9401.9	9395.3	9349.3
6°	9674.7	9572.8	9332.9	9326.3	9300.0
7°	9641.9	9510.4	9257.2	9303.3	9283.5
8°	9602.4	9451.2	9217.8	9332.9	9362.4
9°	9566.3	9378.9	9171.8	9424.9	9447.9
10°	9507.1	9313.1	9201.4	9609.0	9678.0
11°	9457.8	9257.2	9267.1	9789.8	9996.9
12°	9408.5	9198.1	9329.6	10016.6	10269.8
13°	9326.3	9152.0	9467.6	10263.2	10522.9
14°	9254.0	9115.9	9602.4	10513.0	10667.5
15°	9142.2	9083.0	9783.2	10647.8	10657.7
16°	9066.6	9060.0	9993.6	10657.7	10473.6
17°	8981.1	9050.1	10164.6	10486.7	10269.8
18°	8885.8	9069.9	10305.9	10273.0	10023.2
19°	8777.3	9089.6	10365.1	9977.2	9655.0
20°	8658.9	9119.2	10332.2	9668.2	9148.8
21°	8540.6	9158.6	10269.8	9342.7	8484.7
22.5°	8320.3	9254.0	9973.9	8428.8	7386.7
23°	8257.9	9273.7	9904.9	8142.8	7100.7
24°	8103.4	9355.9	9589.3	7475.5	6344.6
25°	7965.3	9444.6	9319.7	6768.7	5723.3
26°	7810.8	9510.4	8912.1	6117.8	5342.0
27°	7659.6	9549.8	8448.5	5611.5	4914.6
28°	7485.3	9592.6	7945.6	5174.3	4592.5
29°	7321.0	9599.1	7449.2	4825.9	4339.3
30°	7143.5	9566.3	6926.5	4546.4	4181.5
32.5°	6755.6	9385.5	5647.7	4013.9	3787.1
35°	6400.5	8981.1	4733.8	3645.7	3533.9
37.5°	6042.2	8343.4	4092.8	3415.6	3379.4
40°	5690.4	7587.3	3609.5	3231.5	3238.1
42.5°	5319.0	6808.2	3277.5	3080.3	3109.9
45°	4931.1	6042.2	2994.8	2958.6	3021.1
47.5°	4500.4	5342.0	2771.3	2879.7	2975.1
50°	4092.8	4648.3	2597.0	2804.1	2902.8
52.5°	3704.9	4079.6	2439.2	2675.9	2791.0
55°	3284.1	3573.4	2248.6	2511.6	2606.9
57.5°	2883.0	3116.4	2048.0	2307.7	2393.2
60°	2442.5	2666.1	1844.2	2087.5	2169.7
62.5°	2044.7	2281.4	1670.0	1867.2	1933.0
65°	1693.0	1926.4	1505.6	1673.3	1725.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1380.7	1630.5	1370.8	1512.2	1561.5
70°	1088.1	1351.1	1252.5	1380.7	1433.3
72.5°	851.4	1117.7	1153.9	1272.2	1324.8
75°	650.9	910.6	1061.8	1190.0	1245.9
77.5°	483.2	742.9	976.3	1124.3	1183.5
80°	318.9	591.7	900.7	1065.1	1134.1
82.5°	200.5	476.7	825.1	1005.9	1078.3
85°	98.6	387.9	752.8	953.3	1019.1
87.5°	32.9	322.2	687.1	900.7	956.6
90°	3.3	269.6	627.9	844.9	900.7
92.5°	3.3	233.4	578.6	779.1	835.0
95°	3.3	207.1	529.3	716.6	766.0
97.5°	3.3	187.4	483.2	650.9	703.5
100°	3.3	167.7	433.9	588.4	644.3
102.5°	6.6	154.5	391.2	535.8	595.0
105°	6.6	144.6	348.5	489.8	549.0
107.5°	6.6	138.1	312.3	453.7	509.5
110°	6.6	131.5	286.0	420.8	480.0
112.5°	6.6	128.2	269.6	391.2	447.1
115°	6.6	124.9	256.4	364.9	410.9
117.5°	9.9	121.6	246.6	338.6	374.8
120°	9.9	115.1	240.0	315.6	345.2
122.5°	9.9	108.5	230.1	295.9	318.9
125°	9.9	105.2	220.3	276.1	295.9
127.5°	9.9	98.6	210.4	259.7	279.4
130°	13.1	92.0	200.5	246.6	263.0
132.5°	13.1	85.5	190.7	240.0	253.1
135°	13.1	82.2	180.8	230.1	243.3
137.5°	13.1	75.6	170.9	220.3	233.4
140°	13.1	69.0	157.8	207.1	220.3
142.5°	13.1	65.7	144.6	194.0	207.1
145°	13.1	59.2	128.2	177.5	194.0
147.5°	16.4	55.9	115.1	164.4	177.5
150°	16.4	49.3	101.9	151.2	164.4
152.5°	16.4	42.7	88.8	134.8	147.9
155°	16.4	36.2	78.9	118.3	134.8
157.5°	16.4	32.9	69.0	98.6	118.3
160°	16.4	29.6	59.2	85.5	101.9
162.5°	16.4	26.3	52.6	72.3	88.8
165°	16.4	23.0	42.7	59.2	72.3
167.5°	19.7	23.0	36.2	46.0	59.2
170°	19.7	23.0	29.6	36.2	46.0
172.5°	19.7	19.7	23.0	26.3	29.6
175°	19.7	19.7	19.7	19.7	16.4
177.5°	19.7	19.7	19.7	16.4	16.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	16.4	16.4	16.4	16.4	16.4

(END OF REPORT)