

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: P567715

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567715  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-200HL-SLW-UNV-L835-CD  
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

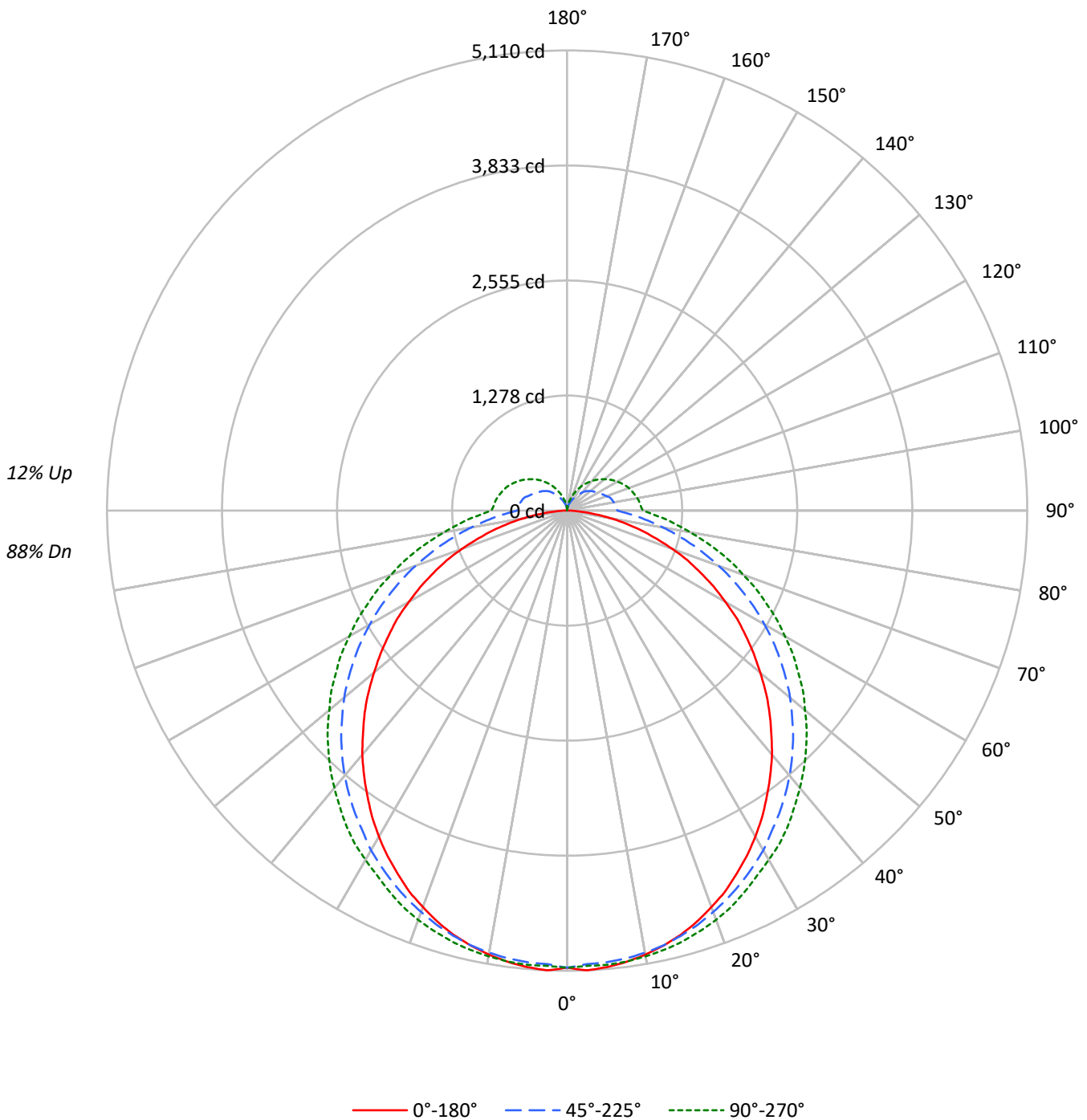
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18274.0 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	27318	27318	27318
5°	27465	26638	26582
10°	27313	26128	25946
15°	27090	25576	25347
20°	26729	24971	24722
25°	26298	24362	24009
30°	25827	23751	23353
35°	25229	23065	22788
40°	24651	22440	22096
45°	23951	21746	21440
50°	23138	21006	20688
55°	22366	20139	19939
60°	21476	19199	19077
65°	20389	18127	18157
70°	19008	16916	17100
75°	17040	15520	16130
80°	14290	14142	14904
85°	10367	12927	14106



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	481.9	2.6
10°-20°	1386.1	7.6
20°-30°	2108.7	11.5
30°-40°	2564.0	14.0
40°-50°	2712.6	14.8
50°-60°	2542.7	13.9
60°-70°	2091.8	11.4
70°-80°	1447.3	7.9
80°-90°	804.8	4.4
90°-100°	530.2	2.9
100°-110°	475.4	2.6
110°-120°	393.5	2.2
120°-130°	304.2	1.7
130°-140°	215.4	1.2
140°-150°	129.9	0.7
150°-160°	62.4	0.3
160°-170°	20.4	0.1
170°-180°	2.5	0.0
0°-30°	3976.7	21.8
0°-40°	6540.7	35.8
0°-60°	11796.0	64.6
0°-90°	16140.0	88.3
90°-120°	1399.2	7.7
90°-150°	2048.7	11.2
90°-180°	2134.0	11.7
0°-180°	18274.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5076	5076	5076	5076	5076	
5°	5088	5079	5035	5076	5063	483
15°	4876	4891	4888	4954	4954	1374
25°	4450	4512	4566	4666	4669	2051
35°	3868	3971	4106	4237	4275	2421
45°	3179	3345	3549	3708	3752	2451
55°	2419	2635	2888	3070	3132	2165
65°	1637	1871	2162	2375	2441	1623
75°	851	1098	1421	1646	1737	903
85°	188	466	789	1008	1095	216
90°	3	263	557	767	842	12
95°	3	250	541	742	814	3
105°	3	216	507	698	760	3
115°	6	188	429	620	688	5
125°	6	160	366	529	595	6
135°	6	125	307	435	488	5
145°	6	91	213	329	369	4
155°	9	63	131	210	244	4
165°	9	41	72	97	125	3
175°	9	16	22	22	12	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5075.8	5075.8	5075.8	5075.8	5075.8
2.5°	5110.2	5094.6	5041.4	5075.8	5060.2
5°	5088.3	5078.9	5035.1	5075.8	5063.3
7.5°	5053.9	5050.8	5016.4	5063.3	5050.8
10°	5007.0	5013.2	4985.1	5035.1	5025.7
12.5°	4947.5	4956.9	4944.4	5000.7	4994.4
15°	4875.5	4891.2	4888.0	4953.8	4953.8
17.5°	4787.9	4809.8	4822.3	4897.4	4897.4
20°	4684.6	4719.1	4744.1	4825.5	4838.0
22.5°	4581.4	4622.1	4659.6	4744.1	4762.9
25°	4449.9	4512.5	4565.7	4665.9	4669.0
27.5°	4321.6	4390.5	4462.5	4559.5	4568.9
30°	4180.8	4268.4	4356.1	4449.9	4478.1
32.5°	4030.6	4127.6	4224.6	4349.8	4387.4
35°	3867.9	3971.1	4105.7	4237.1	4274.7
37.5°	3705.2	3820.9	3977.4	4112.0	4146.4
40°	3539.3	3667.6	3842.8	3980.5	4021.2
42.5°	3354.7	3511.1	3698.9	3846.0	3892.9
45°	3179.4	3345.3	3548.7	3708.3	3752.1
47.5°	2994.8	3170.0	3389.1	3558.1	3608.1
50°	2797.6	2997.9	3232.6	3401.6	3448.5
52.5°	2613.0	2816.4	3063.6	3238.9	3304.6
55°	2419.0	2634.9	2888.4	3069.9	3132.5
57.5°	2237.5	2444.0	2716.3	2897.8	2976.0
60°	2031.0	2259.4	2531.6	2728.8	2791.4
62.5°	1836.9	2068.5	2350.1	2553.6	2625.5
65°	1636.7	1871.4	2162.4	2375.2	2440.9
67.5°	1448.9	1680.5	1977.8	2187.4	2271.9
70°	1242.4	1486.4	1790.0	2005.9	2077.9
72.5°	1038.9	1292.4	1602.2	1833.8	1915.2
75°	851.2	1098.4	1420.7	1646.0	1736.8
77.5°	669.7	920.0	1245.5	1477.1	1555.3
80°	488.2	751.0	1082.8	1311.2	1386.3
82.5°	322.3	597.7	926.3	1154.7	1236.1
85°	187.8	466.3	788.6	1007.7	1095.3
87.5°	81.4	353.6	660.3	876.2	948.2
90°	3.1	262.9	557.0	766.7	841.8
92.5°	3.1	256.6	544.5	751.0	823.0
95°	3.1	250.3	541.4	741.7	813.6
97.5°	3.1	247.2	535.1	735.4	804.2
100°	3.1	237.8	525.7	722.9	791.7
102.5°	3.1	225.3	516.3	710.4	776.1
105°	3.1	215.9	507.0	697.8	760.4
107.5°	3.1	206.5	491.3	682.2	744.8
110°	3.1	197.1	466.3	666.6	729.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	194.0	447.5	644.6	710.4
115°	6.3	187.8	428.7	619.6	688.5
117.5°	6.3	184.6	413.1	594.6	666.6
120°	6.3	175.2	397.4	572.7	641.5
122.5°	6.3	165.9	381.8	550.8	619.6
125°	6.3	159.6	366.1	528.9	594.6
127.5°	6.3	150.2	353.6	507.0	566.4
130°	6.3	144.0	338.0	481.9	541.4
132.5°	6.3	134.6	322.3	456.9	513.2
135°	6.3	125.2	306.7	435.0	488.2
137.5°	6.3	112.7	287.9	409.9	460.0
140°	6.3	103.3	262.9	384.9	431.9
142.5°	6.3	97.0	237.8	356.7	400.6
145°	6.3	90.8	212.8	328.6	369.3
147.5°	6.3	84.5	190.9	300.4	338.0
150°	6.3	75.1	169.0	275.4	306.7
152.5°	9.4	68.8	150.2	244.1	275.4
155°	9.4	62.6	131.4	209.7	244.1
157.5°	9.4	56.3	112.7	175.2	212.8
160°	9.4	50.1	97.0	144.0	181.5
162.5°	9.4	46.9	84.5	118.9	153.3
165°	9.4	40.7	72.0	97.0	125.2
167.5°	9.4	31.3	59.5	75.1	103.3
170°	9.4	25.0	46.9	53.2	78.2
172.5°	9.4	18.8	34.4	37.6	40.7
175°	9.4	15.6	21.9	21.9	12.5
177.5°	9.4	12.5	12.5	12.5	6.3
180°	6.3	6.3	6.3	6.3	6.3

(END OF REPORT)