

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: P567705

Luminaire Tested: **8SNX-200HL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567705  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-200HL-LN-UNV-L950-CD  
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

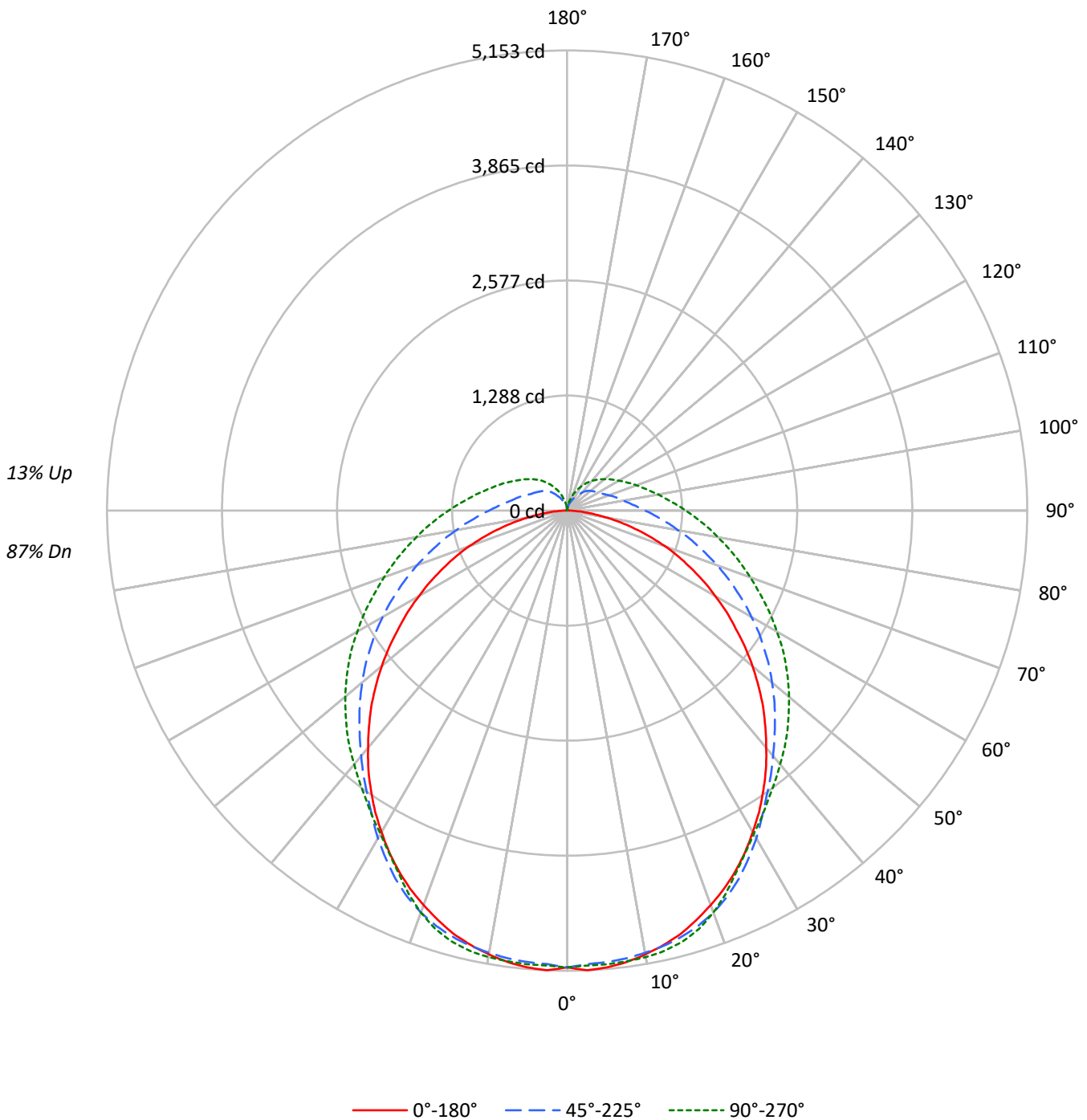
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18465.0 lumens  
Efficiency: N/A  
Efficacy: 127.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

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

	0°	45°	90°
0°	27529	27529	27529
5°	27686	26297	26032
10°	27477	25306	24830
15°	27197	24367	23619
20°	26727	23308	22075
25°	26217	22019	20265
30°	25528	20568	18753
35°	24792	19088	17626
40°	23950	17902	16713
45°	23130	16850	15925
50°	22149	15882	15132
55°	20994	14910	14355
60°	19903	13939	13543
65°	18698	12960	12798
70°	17332	12043	12125
75°	15159	11149	11571
80°	12321	10381	11101
85°	8898	9848	10831



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	485.9	2.6
10°-20°	1397.1	7.6
20°-30°	2080.4	11.3
30°-40°	2454.8	13.3
40°-50°	2560.1	13.9
50°-60°	2405.8	13.0
60°-70°	2031.7	11.0
70°-80°	1535.1	8.3
80°-90°	1058.2	5.7
90°-100°	740.5	4.0
100°-110°	552.6	3.0
110°-120°	416.6	2.3
120°-130°	310.7	1.7
130°-140°	218.1	1.2
140°-150°	131.8	0.7
150°-160°	63.0	0.3
160°-170°	20.2	0.1
170°-180°	2.4	0.0
0°-30°	3963.4	21.5
0°-40°	6418.2	34.8
0°-60°	11384.1	61.7
0°-90°	16009.0	86.7
90°-120°	1709.7	9.3
90°-150°	2370.3	12.8
90°-180°	2456.0	13.3
0°-180°	18465.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5115	5115	5115	5115	5115	
5°	5134	5124	5074	5112	5100	487
15°	4908	4930	4943	5006	4996	1382
25°	4458	4548	4548	4508	4473	2051
35°	3828	3969	3894	3926	3935	2394
45°	3102	3256	3290	3425	3487	2389
55°	2304	2501	2692	2908	2986	2067
65°	1534	1778	2079	2351	2442	1523
75°	786	1089	1509	1825	1941	837
85°	178	560	1046	1390	1512	200
90°	3	398	873	1208	1327	12
95°	3	310	739	1058	1168	3
105°	6	222	570	826	920	6
115°	6	191	441	657	742	7
125°	9	163	372	538	607	8
135°	9	125	310	438	492	7
145°	12	91	216	335	376	7
155°	12	60	132	213	247	6
165°	16	38	69	94	125	4
175°	16	16	19	19	9	1
180°	9	9	9	9	9	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5115.1	5115.1	5115.1	5115.1	5115.1
2.5°	5152.7	5140.2	5083.8	5115.1	5099.5
5°	5133.9	5124.5	5074.5	5112.0	5099.5
7.5°	5099.5	5096.4	5058.8	5102.6	5090.1
10°	5046.3	5055.7	5027.5	5087.0	5077.6
12.5°	4983.7	5002.5	4993.1	5058.8	5049.4
15°	4908.5	4930.5	4943.0	5005.6	4996.2
17.5°	4808.4	4849.1	4877.2	4927.3	4911.7
20°	4701.9	4758.3	4789.6	4814.6	4789.6
22.5°	4586.1	4661.2	4680.0	4667.5	4642.5
25°	4457.8	4548.5	4548.5	4507.8	4473.4
27.5°	4313.8	4426.5	4395.1	4348.2	4320.0
30°	4157.2	4291.8	4238.6	4185.4	4179.1
32.5°	4000.7	4141.6	4063.3	4050.8	4060.2
35°	3828.5	3969.4	3894.3	3925.6	3935.0
37.5°	3656.4	3797.2	3747.1	3794.1	3822.3
40°	3468.5	3618.8	3587.5	3672.0	3709.6
42.5°	3283.8	3440.4	3437.2	3546.8	3603.1
45°	3102.3	3255.7	3290.1	3424.7	3487.3
47.5°	2905.1	3061.6	3146.1	3302.6	3365.2
50°	2711.0	2880.0	2995.8	3171.1	3243.1
52.5°	2510.6	2689.1	2848.7	3042.8	3117.9
55°	2304.0	2501.2	2692.2	2908.2	2986.4
57.5°	2119.3	2319.7	2545.1	2767.3	2858.1
60°	1915.8	2138.1	2385.4	2620.2	2711.0
62.5°	1731.1	1959.7	2235.1	2482.4	2579.5
65°	1533.9	1778.1	2078.6	2351.0	2441.7
67.5°	1352.4	1602.8	1931.5	2207.0	2307.1
70°	1164.5	1430.6	1787.5	2078.6	2181.9
72.5°	970.4	1252.2	1643.5	1953.4	2059.8
75°	785.7	1089.4	1508.9	1825.0	1940.9
77.5°	613.6	932.9	1386.8	1712.4	1825.0
80°	444.5	792.0	1258.4	1596.5	1712.4
82.5°	294.3	669.9	1155.1	1493.2	1615.3
85°	178.4	560.3	1045.6	1389.9	1512.0
87.5°	81.4	469.6	957.9	1299.1	1418.1
90°	3.1	397.6	873.4	1208.4	1327.3
92.5°	3.1	347.5	804.5	1130.1	1245.9
95°	3.1	309.9	738.8	1058.1	1167.7
97.5°	3.1	284.9	688.7	989.2	1095.7
100°	3.1	259.8	638.6	926.6	1036.2
102.5°	6.3	237.9	601.0	870.3	973.6
105°	6.3	222.3	569.7	826.4	920.4
107.5°	6.3	212.9	535.3	782.6	870.3
110°	6.3	203.5	497.7	738.8	826.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	6.3	197.2	469.6	701.2	785.7
115°	6.3	191.0	441.4	657.4	741.9
117.5°	6.3	187.8	425.7	623.0	704.4
120°	9.4	178.4	407.0	591.7	669.9
122.5°	9.4	169.0	388.2	566.6	635.5
125°	9.4	162.8	372.5	538.4	607.3
127.5°	9.4	153.4	356.9	513.4	576.0
130°	9.4	144.0	344.3	488.3	547.8
132.5°	9.4	134.6	328.7	463.3	519.7
135°	9.4	125.2	309.9	438.3	491.5
137.5°	9.4	115.8	291.1	413.2	463.3
140°	9.4	106.4	266.1	388.2	435.1
142.5°	9.4	97.0	241.0	363.1	403.8
145°	12.5	90.8	216.0	335.0	375.7
147.5°	12.5	81.4	191.0	306.8	341.2
150°	12.5	75.1	172.2	278.6	309.9
152.5°	12.5	65.7	153.4	247.3	278.6
155°	12.5	59.5	131.5	212.9	247.3
157.5°	12.5	53.2	112.7	178.4	216.0
160°	12.5	50.1	97.0	147.1	184.7
162.5°	15.7	43.8	81.4	119.0	153.4
165°	15.7	37.6	68.9	93.9	125.2
167.5°	15.7	31.3	56.3	72.0	97.0
170°	15.7	25.0	43.8	50.1	75.1
172.5°	15.7	18.8	31.3	34.4	37.6
175°	15.7	15.7	18.8	18.8	9.4
177.5°	15.7	15.7	12.5	9.4	3.1
180°	9.4	9.4	9.4	9.4	9.4

(END OF REPORT)