

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: P567718

Luminaire Tested: **8SNX-200HL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567718  
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-L930-CD  
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

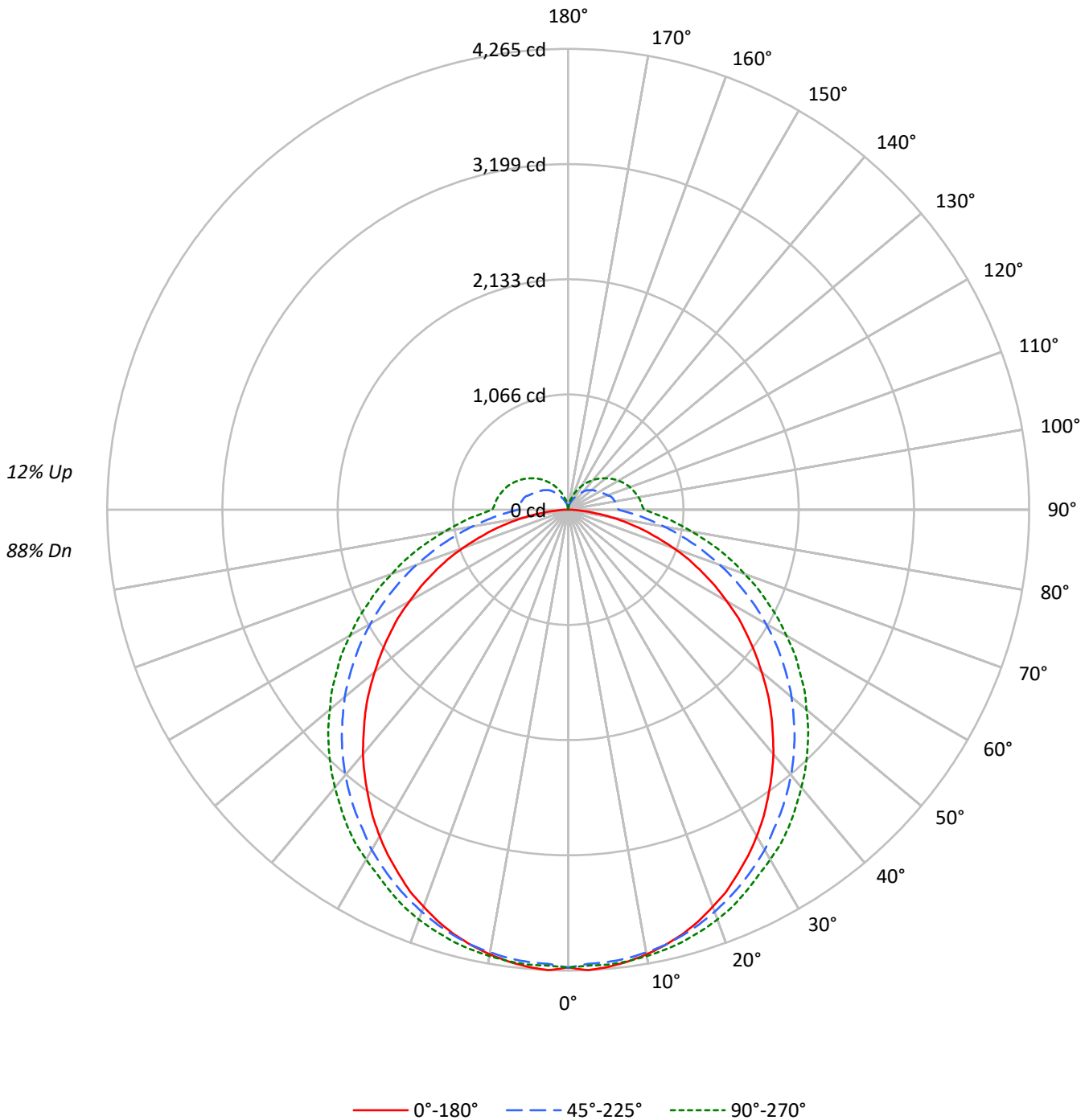
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15253.0 lumens  
Efficiency: N/A  
Efficacy: 105.2 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°	22802	22802	22802
5°	22924	22234	22188
10°	22798	21808	21657
15°	22612	21348	21156
20°	22311	20843	20635
25°	21951	20335	20040
30°	21558	19825	19492
35°	21059	19252	19021
40°	20576	18731	18443
45°	19991	18150	17896
50°	19313	17533	17268
55°	18669	16810	16642
60°	17925	16025	15923
65°	17018	15130	15156
70°	15866	14119	14273
75°	14224	12955	13464
80°	11928	11804	12440
85°	8651	10789	11774



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.2	2.6
10°-20°	1157.0	7.6
20°-30°	1760.1	11.5
30°-40°	2140.1	14.0
40°-50°	2264.2	14.8
50°-60°	2122.3	13.9
60°-70°	1746.0	11.4
70°-80°	1208.1	7.9
80°-90°	671.8	4.4
90°-100°	442.6	2.9
100°-110°	396.9	2.6
110°-120°	328.5	2.2
120°-130°	253.9	1.7
130°-140°	179.8	1.2
140°-150°	108.4	0.7
150°-160°	52.1	0.3
160°-170°	17.1	0.1
170°-180°	2.1	0.0
0°-30°	3319.3	21.8
0°-40°	5459.4	35.8
0°-60°	9845.9	64.6
0°-90°	13471.8	88.3
90°-120°	1167.9	7.7
90°-150°	1710.0	11.2
90°-180°	1781.0	11.7
0°-180°	15253.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4237	4237	4237	4237	4237	
5°	4247	4239	4203	4237	4226	403
15°	4070	4083	4080	4135	4135	1147
25°	3714	3766	3811	3894	3897	1712
35°	3228	3315	3427	3537	3568	2021
45°	2654	2792	2962	3095	3132	2045
55°	2019	2199	2411	2562	2615	1807
65°	1366	1562	1805	1982	2037	1354
75°	710	917	1186	1374	1450	754
85°	157	389	658	841	914	180
90°	3	219	465	640	703	10
95°	3	209	452	619	679	2
105°	3	180	423	582	635	3
115°	5	157	358	517	575	4
125°	5	133	306	441	496	5
135°	5	104	256	363	408	4
145°	5	76	178	274	308	3
155°	8	52	110	175	204	3
165°	8	34	60	81	104	2
175°	8	13	18	18	10	1
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4236.7	4236.7	4236.7	4236.7	4236.7
2.5°	4265.4	4252.4	4208.0	4236.7	4223.6
5°	4247.1	4239.3	4202.7	4236.7	4226.2
7.5°	4218.4	4215.8	4187.1	4226.2	4215.8
10°	4179.2	4184.5	4160.9	4202.7	4194.9
12.5°	4129.6	4137.4	4127.0	4174.0	4168.8
15°	4069.5	4082.6	4080.0	4134.8	4134.8
17.5°	3996.4	4014.7	4025.1	4087.8	4087.8
20°	3910.2	3938.9	3959.8	4027.7	4038.2
22.5°	3824.0	3858.0	3889.3	3959.8	3975.5
25°	3714.3	3766.5	3810.9	3894.5	3897.1
27.5°	3607.2	3664.7	3724.7	3805.7	3813.5
30°	3489.7	3562.8	3635.9	3714.3	3737.8
32.5°	3364.3	3445.3	3526.2	3630.7	3662.0
35°	3228.5	3314.7	3427.0	3536.7	3568.0
37.5°	3092.6	3189.3	3319.9	3432.2	3460.9
40°	2954.2	3061.3	3207.6	3322.5	3356.4
42.5°	2800.1	2930.7	3087.4	3210.2	3249.4
45°	2653.8	2792.2	2962.0	3095.2	3131.8
47.5°	2499.7	2646.0	2828.8	2969.9	3011.7
50°	2335.1	2502.3	2698.2	2839.3	2878.4
52.5°	2181.0	2350.8	2557.2	2703.4	2758.3
55°	2019.1	2199.3	2410.9	2562.4	2614.6
57.5°	1867.6	2040.0	2267.2	2418.7	2484.0
60°	1695.2	1885.9	2113.1	2277.7	2329.9
62.5°	1533.3	1726.5	1961.6	2131.4	2191.5
65°	1366.1	1562.0	1804.9	1982.5	2037.4
67.5°	1209.4	1402.7	1650.8	1825.8	1896.3
70°	1037.0	1240.7	1494.1	1674.3	1734.4
72.5°	867.2	1078.8	1337.4	1530.6	1598.6
75°	710.5	916.8	1185.9	1373.9	1449.7
77.5°	559.0	767.9	1039.6	1232.9	1298.2
80°	407.5	626.9	903.8	1094.4	1157.1
82.5°	269.0	498.9	773.2	963.8	1031.7
85°	156.7	389.2	658.2	841.1	914.2
87.5°	67.9	295.2	551.1	731.4	791.4
90°	2.6	219.4	464.9	639.9	702.6
92.5°	2.6	214.2	454.5	626.9	687.0
95°	2.6	209.0	451.9	619.0	679.1
97.5°	2.6	206.3	446.7	613.8	671.3
100°	2.6	198.5	438.8	603.4	660.8
102.5°	2.6	188.1	431.0	592.9	647.8
105°	2.6	180.2	423.1	582.5	634.7
107.5°	2.6	172.4	410.1	569.4	621.7
110°	2.6	164.6	389.2	556.4	608.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	161.9	373.5	538.1	592.9
115°	5.2	156.7	357.8	517.2	574.6
117.5°	5.2	154.1	344.8	496.3	556.4
120°	5.2	146.3	331.7	478.0	535.5
122.5°	5.2	138.4	318.7	459.7	517.2
125°	5.2	133.2	305.6	441.4	496.3
127.5°	5.2	125.4	295.2	423.1	472.8
130°	5.2	120.2	282.1	402.3	451.9
132.5°	5.2	112.3	269.0	381.4	428.4
135°	5.2	104.5	256.0	363.1	407.5
137.5°	5.2	94.0	240.3	342.2	384.0
140°	5.2	86.2	219.4	321.3	360.5
142.5°	5.2	81.0	198.5	297.8	334.3
145°	5.2	75.7	177.6	274.3	308.2
147.5°	5.2	70.5	159.3	250.8	282.1
150°	5.2	62.7	141.0	229.9	256.0
152.5°	7.8	57.5	125.4	203.7	229.9
155°	7.8	52.2	109.7	175.0	203.7
157.5°	7.8	47.0	94.0	146.3	177.6
160°	7.8	41.8	81.0	120.2	151.5
162.5°	7.8	39.2	70.5	99.3	128.0
165°	7.8	34.0	60.1	81.0	104.5
167.5°	7.8	26.1	49.6	62.7	86.2
170°	7.8	20.9	39.2	44.4	65.3
172.5°	7.8	15.7	28.7	31.3	34.0
175°	7.8	13.1	18.3	18.3	10.4
177.5°	7.8	10.4	10.4	10.4	5.2
180°	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)