

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: P567720

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567720  
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-L940-CD  
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

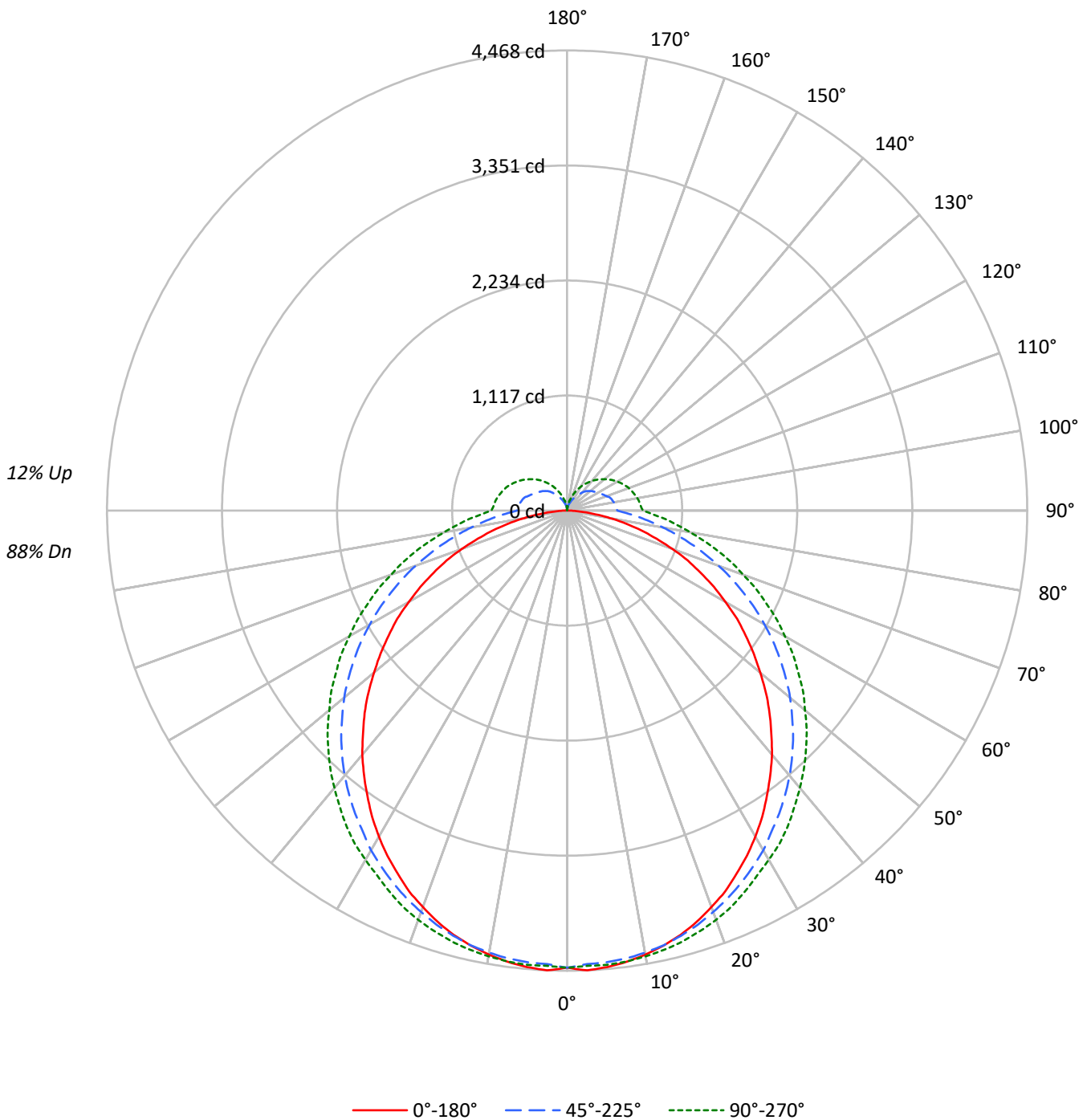
Lumens per Lamp: N/A  
Luminaire Lumens: 15978.0 lumens  
Efficiency: N/A  
Efficacy: 110.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

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°	23886	23886	23886
5°	24014	23291	23242
10°	23881	22845	22687
15°	23687	22363	22162
20°	23371	21833	21615
25°	22994	21302	20993
30°	22582	20767	20419
35°	22059	20167	19925
40°	21554	19620	19320
45°	20942	19013	18746
50°	20231	18367	18089
55°	19557	17609	17434
60°	18777	16788	16680
65°	17827	15849	15876
70°	16620	14790	14951
75°	14898	13570	14103
80°	12493	12365	13031
85°	9065	11302	12334



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	421.3	2.6
10°-20°	1212.0	7.6
20°-30°	1843.7	11.5
30°-40°	2241.8	14.0
40°-50°	2371.8	14.8
50°-60°	2223.2	13.9
60°-70°	1829.0	11.4
70°-80°	1265.5	7.9
80°-90°	703.7	4.4
90°-100°	463.6	2.9
100°-110°	415.7	2.6
110°-120°	344.1	2.2
120°-130°	266.0	1.7
130°-140°	188.3	1.2
140°-150°	113.6	0.7
150°-160°	54.6	0.3
160°-170°	17.9	0.1
170°-180°	2.2	0.0
0°-30°	3477.1	21.8
0°-40°	5718.9	35.8
0°-60°	10313.9	64.6
0°-90°	14112.1	88.3
90°-120°	1223.4	7.7
90°-150°	1791.3	11.2
90°-180°	1866.0	11.7
0°-180°	15978.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4438	4438	4438	4438	4438	
5°	4449	4441	4402	4438	4427	422
15°	4263	4277	4274	4331	4331	1202
25°	3891	3946	3992	4080	4082	1793
35°	3382	3472	3590	3705	3738	2117
45°	2780	2925	3103	3242	3281	2143
55°	2115	2304	2526	2684	2739	1893
65°	1431	1636	1891	2077	2134	1419
75°	744	960	1242	1439	1519	789
85°	164	408	690	881	958	189
90°	3	230	487	670	736	11
95°	3	219	473	648	711	2
105°	3	189	443	610	665	3
115°	6	164	375	542	602	4
125°	6	140	320	462	520	5
135°	6	109	268	380	427	4
145°	6	79	186	287	323	3
155°	8	55	115	183	213	4
165°	8	36	63	85	109	2
175°	8	14	19	19	11	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4438.1	4438.1	4438.1	4438.1	4438.1
2.5°	4468.2	4454.5	4408.0	4438.1	4424.4
5°	4449.0	4440.8	4402.5	4438.1	4427.1
7.5°	4418.9	4416.2	4386.1	4427.1	4416.2
10°	4377.9	4383.3	4358.7	4402.5	4394.3
12.5°	4325.9	4334.1	4323.2	4372.4	4366.9
15°	4263.0	4276.6	4273.9	4331.4	4331.4
17.5°	4186.3	4205.5	4216.4	4282.1	4282.1
20°	4096.0	4126.1	4148.0	4219.2	4230.1
22.5°	4005.8	4041.3	4074.2	4148.0	4164.5
25°	3890.8	3945.6	3992.1	4079.6	4082.4
27.5°	3778.7	3838.8	3901.8	3986.6	3994.8
30°	3655.5	3732.1	3808.8	3890.8	3915.5
32.5°	3524.2	3609.0	3693.8	3803.3	3836.1
35°	3381.9	3472.2	3589.9	3704.8	3737.6
37.5°	3239.6	3340.9	3477.7	3595.3	3625.4
40°	3094.6	3206.8	3360.0	3480.4	3516.0
42.5°	2933.2	3070.0	3234.2	3362.8	3403.8
45°	2780.0	2925.0	3102.8	3242.4	3280.7
47.5°	2618.5	2771.7	2963.3	3111.0	3154.8
50°	2446.1	2621.3	2826.5	2974.2	3015.3
52.5°	2284.7	2462.6	2678.7	2831.9	2889.4
55°	2115.1	2303.9	2525.5	2684.2	2738.9
57.5°	1956.4	2137.0	2375.0	2533.7	2602.1
60°	1775.8	1975.5	2213.6	2385.9	2440.7
62.5°	1606.1	1808.6	2054.9	2232.7	2295.6
65°	1431.0	1636.2	1890.7	2076.8	2134.2
67.5°	1266.8	1469.3	1729.3	1912.6	1986.5
70°	1086.3	1299.7	1565.1	1753.9	1816.8
72.5°	908.4	1130.0	1400.9	1603.4	1674.5
75°	744.2	960.4	1242.2	1439.2	1518.6
77.5°	585.5	804.4	1089.0	1291.5	1359.9
80°	426.8	656.7	946.7	1146.5	1212.1
82.5°	281.8	522.6	809.9	1009.6	1080.8
85°	164.2	407.7	689.5	881.0	957.7
87.5°	71.1	309.2	577.3	766.1	829.1
90°	2.7	229.8	487.0	670.4	736.0
92.5°	2.7	224.4	476.1	656.7	719.6
95°	2.7	218.9	473.4	648.5	711.4
97.5°	2.7	216.2	467.9	643.0	703.2
100°	2.7	207.9	459.7	632.1	692.3
102.5°	2.7	197.0	451.5	621.1	678.6
105°	2.7	188.8	443.3	610.2	664.9
107.5°	2.7	180.6	429.6	596.5	651.2
110°	2.7	172.4	407.7	582.8	637.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	169.6	391.3	563.7	621.1
115°	5.5	164.2	374.9	541.8	602.0
117.5°	5.5	161.4	361.2	519.9	582.8
120°	5.5	153.2	347.5	500.7	560.9
122.5°	5.5	145.0	333.8	481.6	541.8
125°	5.5	139.5	320.1	462.4	519.9
127.5°	5.5	131.3	309.2	443.3	495.2
130°	5.5	125.9	295.5	421.4	473.4
132.5°	5.5	117.7	281.8	399.5	448.7
135°	5.5	109.4	268.1	380.3	426.8
137.5°	5.5	98.5	251.7	358.4	402.2
140°	5.5	90.3	229.8	336.5	377.6
142.5°	5.5	84.8	207.9	311.9	350.2
145°	5.5	79.3	186.1	287.3	322.9
147.5°	5.5	73.9	166.9	262.7	295.5
150°	5.5	65.7	147.8	240.8	268.1
152.5°	8.2	60.2	131.3	213.4	240.8
155°	8.2	54.7	114.9	183.3	213.4
157.5°	8.2	49.3	98.5	153.2	186.1
160°	8.2	43.8	84.8	125.9	158.7
162.5°	8.2	41.0	73.9	104.0	134.1
165°	8.2	35.6	62.9	84.8	109.4
167.5°	8.2	27.4	52.0	65.7	90.3
170°	8.2	21.9	41.0	46.5	68.4
172.5°	8.2	16.4	30.1	32.8	35.6
175°	8.2	13.7	19.2	19.2	10.9
177.5°	8.2	10.9	10.9	10.9	5.5
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)