

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: P567702

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567702
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-L930-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

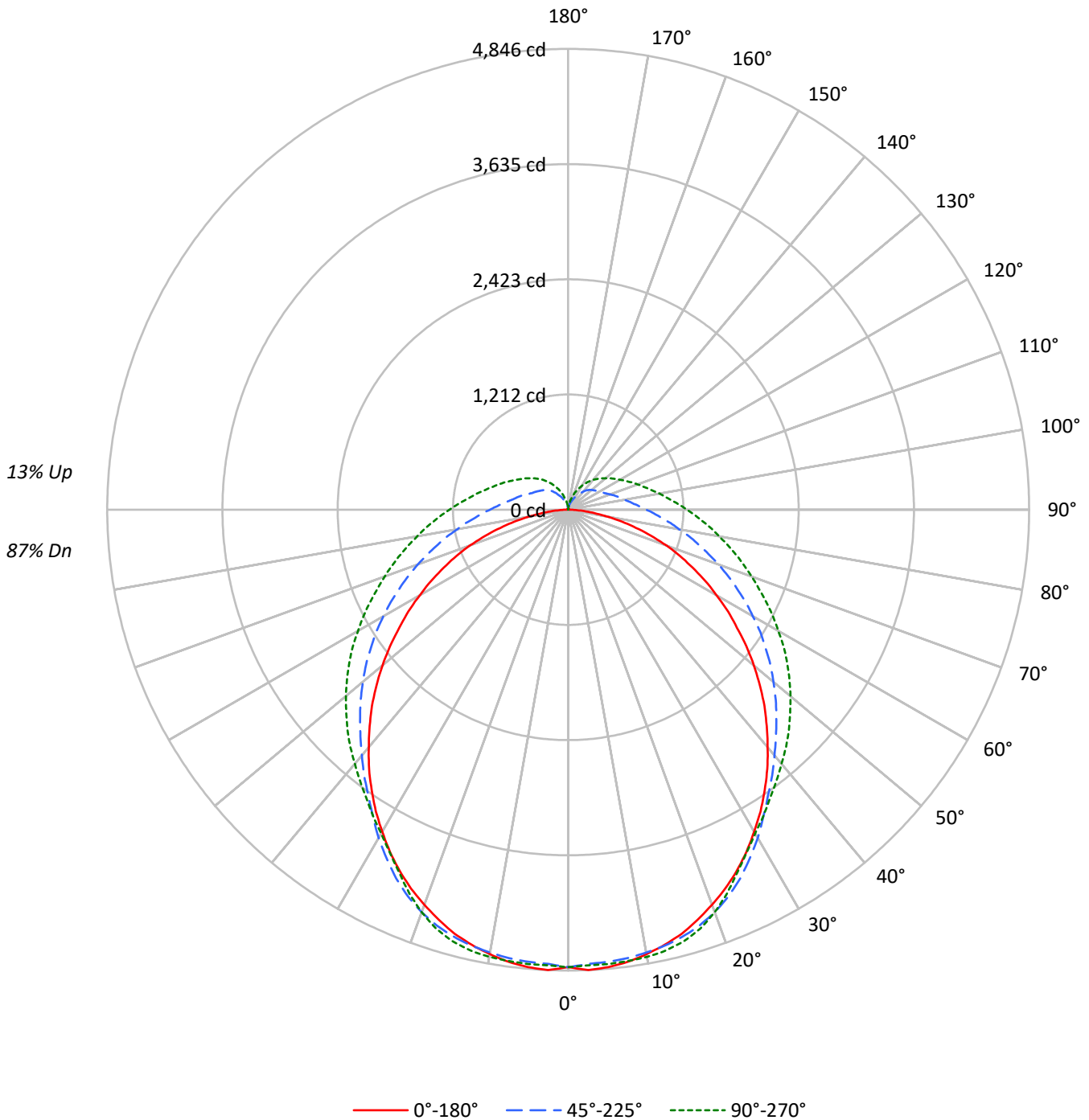
Lumens per Lamp: N/A
Luminaire Lumens: 17365.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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	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°	25889	25889	25889
5°	26036	24730	24481
10°	25840	23798	23351
15°	25577	22916	22212
20°	25135	21919	20760
25°	24655	20708	19057
30°	24008	19343	17636
35°	23316	17951	16576
40°	22523	16836	15717
45°	21753	15846	14977
50°	20829	14936	14230
55°	19744	14021	13499
60°	18718	13109	12736
65°	17584	12188	12036
70°	16301	11325	11402
75°	14256	10485	10882
80°	11586	9763	10439
85°	8369	9261	10186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.0	2.6
10°-20°	1313.9	7.6
20°-30°	1956.5	11.3
30°-40°	2308.5	13.3
40°-50°	2407.6	13.9
50°-60°	2262.5	13.0
60°-70°	1910.7	11.0
70°-80°	1443.6	8.3
80°-90°	995.1	5.7
90°-100°	696.4	4.0
100°-110°	519.7	3.0
110°-120°	391.8	2.3
120°-130°	292.2	1.7
130°-140°	205.1	1.2
140°-150°	124.0	0.7
150°-160°	59.3	0.3
160°-170°	19.0	0.1
170°-180°	2.3	0.0
0°-30°	3727.3	21.5
0°-40°	6035.9	34.8
0°-60°	10705.9	61.7
0°-90°	15055.4	86.7
90°-120°	1607.8	9.3
90°-150°	2229.1	12.8
90°-180°	2310.0	13.3
0°-180°	17365.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4810	4810	4810	4810	4810	
5°	4828	4819	4772	4808	4796	458
15°	4616	4637	4648	4707	4699	1300
25°	4192	4278	4278	4239	4207	1929
35°	3600	3733	3662	3692	3701	2252
45°	2918	3062	3094	3221	3280	2247
55°	2167	2352	2532	2735	2808	1944
65°	1442	1672	1955	2211	2296	1433
75°	739	1024	1419	1716	1825	787
85°	168	527	983	1307	1422	188
90°	3	374	821	1136	1248	12
95°	3	292	695	995	1098	2
105°	6	209	536	777	866	6
115°	6	180	415	618	698	6
125°	9	153	350	506	571	8
135°	9	118	292	412	462	7
145°	12	85	203	315	353	7
155°	12	56	124	200	233	5
165°	15	35	65	88	118	4
175°	15	15	18	18	9	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4810.4	4810.4	4810.4	4810.4	4810.4
2.5°	4845.8	4834.0	4781.0	4810.4	4795.7
5°	4828.1	4819.3	4772.2	4807.5	4795.7
7.5°	4795.7	4792.8	4757.4	4798.7	4786.9
10°	4745.7	4754.5	4728.0	4783.9	4775.1
12.5°	4686.8	4704.4	4695.6	4757.4	4748.6
15°	4616.1	4636.7	4648.5	4707.4	4698.6
17.5°	4521.9	4560.2	4586.7	4633.8	4619.1
20°	4421.8	4474.8	4504.3	4527.8	4504.3
22.5°	4312.9	4383.6	4401.2	4389.4	4365.9
25°	4192.2	4277.6	4277.6	4239.3	4206.9
27.5°	4056.8	4162.8	4133.3	4089.2	4062.7
30°	3909.6	4036.2	3986.1	3936.1	3930.2
32.5°	3762.4	3894.9	3821.3	3809.5	3818.3
35°	3600.5	3732.9	3662.3	3691.7	3700.6
37.5°	3438.5	3571.0	3523.9	3568.1	3594.6
40°	3261.9	3403.2	3373.8	3453.3	3488.6
42.5°	3088.2	3235.4	3232.5	3335.5	3388.5
45°	2917.5	3061.7	3094.1	3220.7	3279.6
47.5°	2732.0	2879.2	2958.7	3105.9	3164.8
50°	2549.5	2708.4	2817.4	2982.2	3049.9
52.5°	2361.1	2528.9	2679.0	2861.5	2932.2
55°	2166.8	2352.2	2531.8	2734.9	2808.5
57.5°	1993.1	2181.5	2393.4	2602.5	2687.8
60°	1801.7	2010.7	2243.3	2464.1	2549.5
62.5°	1628.0	1842.9	2102.0	2334.6	2425.8
65°	1442.5	1672.2	1954.8	2210.9	2296.3
67.5°	1271.8	1507.3	1816.4	2075.5	2169.7
70°	1095.2	1345.4	1681.0	1954.8	2051.9
72.5°	912.6	1177.6	1545.6	1837.0	1937.1
75°	738.9	1024.5	1419.0	1716.3	1825.3
77.5°	577.0	877.3	1304.2	1610.3	1716.3
80°	418.0	744.8	1183.5	1501.4	1610.3
82.5°	276.7	630.0	1086.3	1404.3	1519.1
85°	167.8	527.0	983.3	1307.1	1421.9
87.5°	76.5	441.6	900.9	1221.7	1333.6
90°	2.9	373.9	821.4	1136.4	1248.2
92.5°	2.9	326.8	756.6	1062.8	1171.7
95°	2.9	291.5	694.8	995.1	1098.1
97.5°	2.9	267.9	647.7	930.3	1030.4
100°	2.9	244.3	600.6	871.4	974.5
102.5°	5.9	223.7	565.2	818.4	915.6
105°	5.9	209.0	535.8	777.2	865.5
107.5°	5.9	200.2	503.4	736.0	818.4
110°	5.9	191.4	468.1	694.8	777.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.9	185.5	441.6	659.4	738.9
115°	5.9	179.6	415.1	618.2	697.7
117.5°	5.9	176.6	400.4	585.8	662.4
120°	8.8	167.8	382.7	556.4	630.0
122.5°	8.8	159.0	365.1	532.9	597.6
125°	8.8	153.1	350.3	506.4	571.1
127.5°	8.8	144.3	335.6	482.8	541.7
130°	8.8	135.4	323.8	459.3	515.2
132.5°	8.8	126.6	309.1	435.7	488.7
135°	8.8	117.8	291.5	412.2	462.2
137.5°	8.8	108.9	273.8	388.6	435.7
140°	8.8	100.1	250.2	365.1	409.2
142.5°	8.8	91.3	226.7	341.5	379.8
145°	11.8	85.4	203.1	315.0	353.3
147.5°	11.8	76.5	179.6	288.5	320.9
150°	11.8	70.7	161.9	262.0	291.5
152.5°	11.8	61.8	144.3	232.6	262.0
155°	11.8	55.9	123.6	200.2	232.6
157.5°	11.8	50.0	106.0	167.8	203.1
160°	11.8	47.1	91.3	138.4	173.7
162.5°	14.7	41.2	76.5	111.9	144.3
165°	14.7	35.3	64.8	88.3	117.8
167.5°	14.7	29.4	53.0	67.7	91.3
170°	14.7	23.6	41.2	47.1	70.7
172.5°	14.7	17.7	29.4	32.4	35.3
175°	14.7	14.7	17.7	17.7	8.8
177.5°	14.7	14.7	11.8	8.8	2.9
180°	8.8	8.8	8.8	8.8	8.8

(END OF REPORT)