

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: P567713

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567713
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-LW-UNV-L950-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

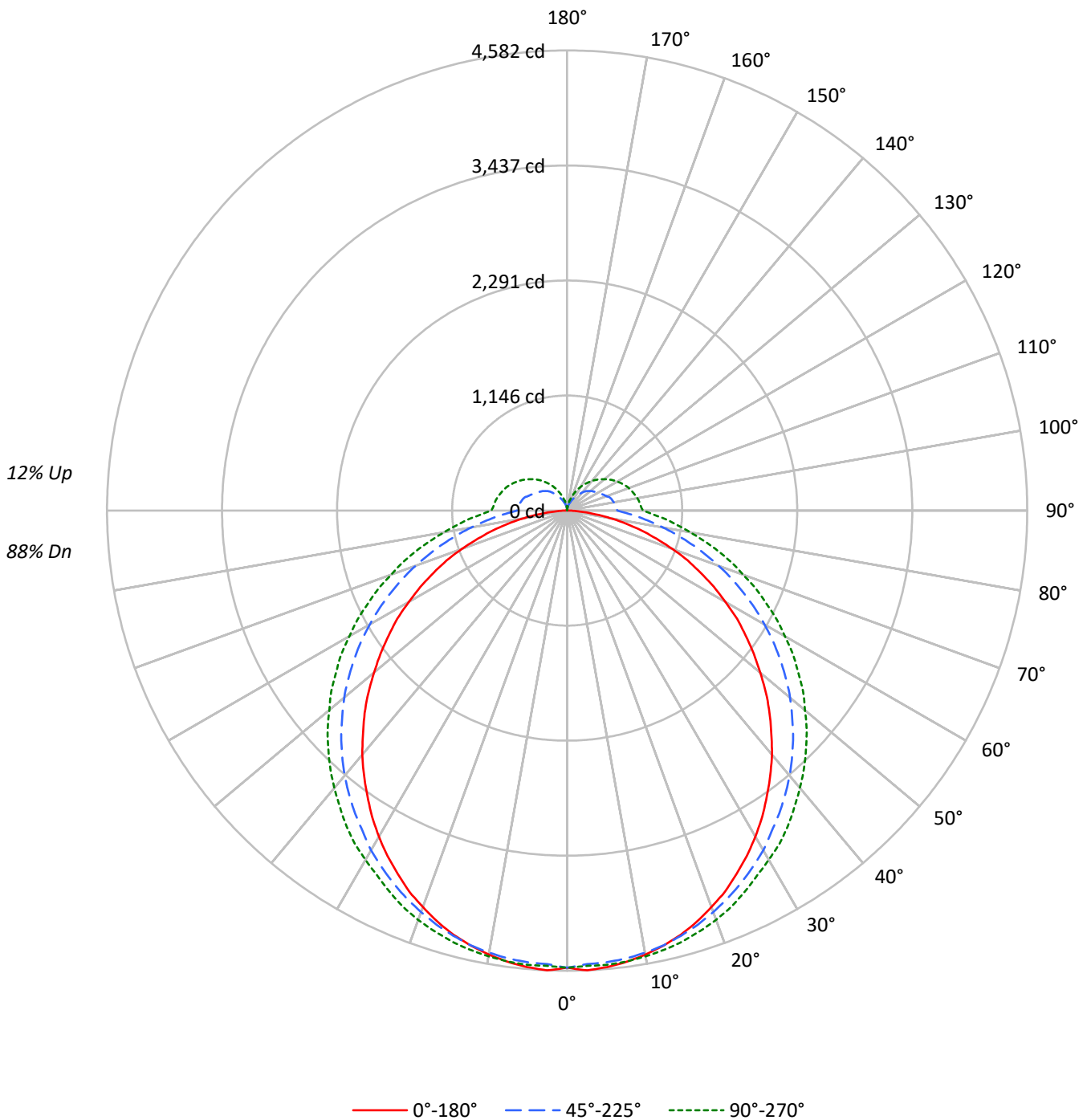
Lumens per Lamp: N/A
Luminaire Lumens: 16386.0 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 145
Input Voltage (V): NR
Input Current (A_{in}): 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°	24495	24495	24495
5°	24605	23397	23177
10°	24446	22500	22037
15°	24224	21607	20999
20°	23877	20701	19994
25°	23467	19819	18965
30°	23021	18954	18018
35°	22460	18045	17169
40°	21914	17195	16245
45°	21256	16296	15364
50°	20495	15367	14428
55°	19765	14344	13501
60°	18919	13265	12504
65°	17890	12089	11472
70°	16581	10814	10354
75°	14725	9413	9284
80°	12132	8009	8059
85°	8399	6660	7035



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.1	2.6
10°-20°	1242.9	7.6
20°-30°	1890.8	11.5
30°-40°	2299.1	14.0
40°-50°	2432.4	14.8
50°-60°	2280.0	13.9
60°-70°	1875.7	11.4
70°-80°	1297.8	7.9
80°-90°	721.7	4.4
90°-100°	475.4	2.9
100°-110°	426.3	2.6
110°-120°	352.9	2.2
120°-130°	272.8	1.7
130°-140°	193.1	1.2
140°-150°	116.5	0.7
150°-160°	55.9	0.3
160°-170°	18.3	0.1
170°-180°	2.2	0.0
0°-30°	3565.8	21.8
0°-40°	5864.9	35.8
0°-60°	10577.3	64.6
0°-90°	14472.4	88.3
90°-120°	1254.6	7.7
90°-150°	1837.0	11.2
90°-180°	1914.0	11.7
0°-180°	16386.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4551	4551	4551	4551	4551	
5°	4563	4554	4515	4551	4540	433
15°	4372	4386	4383	4442	4442	1232
25°	3990	4046	4094	4184	4187	1839
35°	3468	3561	3682	3799	3833	2171
45°	2851	3000	3182	3325	3364	2197
55°	2169	2363	2590	2753	2809	1942
65°	1468	1678	1939	2130	2189	1455
75°	763	985	1274	1476	1557	810
85°	168	418	707	904	982	194
90°	3	236	500	688	755	11
95°	3	224	485	665	730	2
105°	3	194	455	626	682	3
115°	6	168	384	556	617	4
125°	6	143	328	474	533	5
135°	6	112	275	390	438	4
145°	6	81	191	295	331	4
155°	8	56	118	188	219	4
165°	8	36	64	87	112	2
175°	8	14	20	20	11	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4551.4	4551.4	4551.4	4551.4	4551.4
2.5°	4582.3	4568.2	4520.5	4551.4	4537.4
5°	4562.6	4554.2	4514.9	4551.4	4540.2
7.5°	4531.8	4528.9	4498.1	4540.2	4528.9
10°	4489.7	4495.3	4470.0	4514.9	4506.5
12.5°	4436.3	4444.8	4433.5	4484.1	4478.4
15°	4371.8	4385.8	4383.0	4442.0	4442.0
17.5°	4293.2	4312.9	4324.1	4391.5	4391.5
20°	4200.6	4231.5	4254.0	4326.9	4338.1
22.5°	4108.0	4144.5	4178.2	4254.0	4270.8
25°	3990.2	4046.3	4094.0	4183.8	4186.6
27.5°	3875.1	3936.9	4001.4	4088.4	4096.8
30°	3748.9	3827.4	3906.0	3990.2	4015.4
32.5°	3614.2	3701.2	3788.2	3900.4	3934.1
35°	3468.3	3560.9	3681.5	3799.4	3833.1
37.5°	3322.4	3426.2	3566.5	3687.1	3718.0
40°	3173.6	3288.7	3445.8	3569.3	3605.8
42.5°	3008.1	3148.4	3316.7	3448.6	3490.7
45°	2850.9	2999.7	3182.0	3325.2	3364.4
47.5°	2685.4	2842.5	3038.9	3190.5	3235.4
50°	2508.6	2688.2	2898.6	3050.2	3092.3
52.5°	2343.0	2525.4	2747.1	2904.3	2963.2
55°	2169.1	2362.7	2590.0	2752.7	2808.8
57.5°	2006.3	2191.5	2435.6	2598.4	2668.5
60°	1821.1	2026.0	2270.1	2446.9	2503.0
62.5°	1647.1	1854.8	2107.3	2289.7	2354.3
65°	1467.6	1678.0	1939.0	2129.8	2188.7
67.5°	1299.2	1506.8	1773.4	1961.4	2037.2
70°	1114.0	1332.9	1605.1	1798.7	1863.2
72.5°	931.6	1158.9	1436.7	1644.3	1717.3
75°	763.2	984.9	1273.9	1476.0	1557.4
77.5°	600.5	825.0	1116.8	1324.5	1394.6
80°	437.7	673.4	970.9	1175.7	1243.1
82.5°	289.0	536.0	830.6	1035.4	1108.4
85°	168.4	418.1	707.1	903.5	982.1
87.5°	73.0	317.1	592.1	785.7	850.2
90°	2.8	235.7	499.5	687.5	754.8
92.5°	2.8	230.1	488.3	673.4	738.0
95°	2.8	224.5	485.4	665.0	729.6
97.5°	2.8	221.7	479.8	659.4	721.2
100°	2.8	213.3	471.4	648.2	709.9
102.5°	2.8	202.0	463.0	637.0	695.9
105°	2.8	193.6	454.6	625.7	681.9
107.5°	2.8	185.2	440.5	611.7	667.8
110°	2.8	176.8	418.1	597.7	653.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	174.0	401.3	578.0	637.0
115°	5.6	168.4	384.4	555.6	617.3
117.5°	5.6	165.6	370.4	533.1	597.7
120°	5.6	157.1	356.4	513.5	575.2
122.5°	5.6	148.7	342.3	493.9	555.6
125°	5.6	143.1	328.3	474.2	533.1
127.5°	5.6	134.7	317.1	454.6	507.9
130°	5.6	129.1	303.1	432.1	485.4
132.5°	5.6	120.7	289.0	409.7	460.2
135°	5.6	112.2	275.0	390.0	437.7
137.5°	5.6	101.0	258.2	367.6	412.5
140°	5.6	92.6	235.7	345.1	387.2
142.5°	5.6	87.0	213.3	319.9	359.2
145°	5.6	81.4	190.8	294.6	331.1
147.5°	5.6	75.8	171.2	269.4	303.1
150°	5.6	67.3	151.5	246.9	275.0
152.5°	8.4	61.7	134.7	218.9	246.9
155°	8.4	56.1	117.9	188.0	218.9
157.5°	8.4	50.5	101.0	157.1	190.8
160°	8.4	44.9	87.0	129.1	162.8
162.5°	8.4	42.1	75.8	106.6	137.5
165°	8.4	36.5	64.5	87.0	112.2
167.5°	8.4	28.1	53.3	67.3	92.6
170°	8.4	22.4	42.1	47.7	70.2
172.5°	8.4	16.8	30.9	33.7	36.5
175°	8.4	14.0	19.6	19.6	11.2
177.5°	8.4	11.2	11.2	11.2	5.6
180°	5.6	5.6	5.6	5.6	5.6

(END OF REPORT)