

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: P567721

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567721
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-L950-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

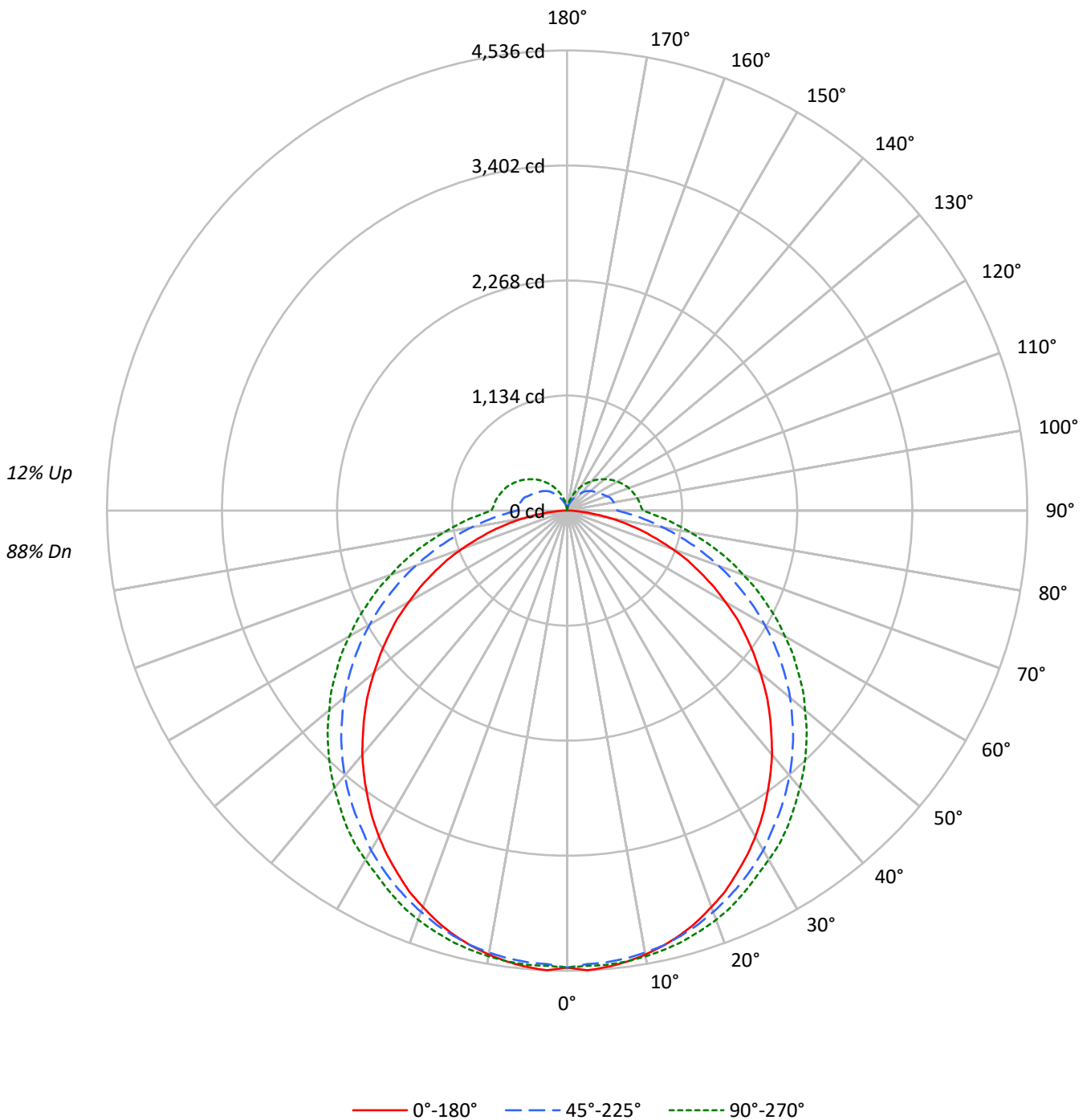
Lumens per Lamp: N/A
Luminaire Lumens: 16220.0 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	24247	24247	24247
5°	24378	23644	23595
10°	24243	23191	23030
15°	24045	22701	22498
20°	23725	22164	21943
25°	23342	21624	21310
30°	22924	21081	20728
35°	22393	20473	20226
40°	21881	19918	19612
45°	21259	19301	19030
50°	20538	18645	18363
55°	19852	17875	17698
60°	19062	17042	16932
65°	18097	16089	16116
70°	16871	15014	15177
75°	15124	13775	14317
80°	12683	12553	13229
85°	9203	11474	12521



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.7	2.6
10°-20°	1230.3	7.6
20°-30°	1871.7	11.5
30°-40°	2275.8	14.0
40°-50°	2407.7	14.8
50°-60°	2256.9	13.9
60°-70°	1856.7	11.4
70°-80°	1284.7	7.9
80°-90°	714.4	4.4
90°-100°	470.6	2.9
100°-110°	422.0	2.6
110°-120°	349.3	2.2
120°-130°	270.1	1.7
130°-140°	191.2	1.2
140°-150°	115.3	0.7
150°-160°	55.4	0.3
160°-170°	18.1	0.1
170°-180°	2.2	0.0
0°-30°	3529.7	21.8
0°-40°	5805.5	35.8
0°-60°	10470.1	64.6
0°-90°	14325.9	88.3
90°-120°	1241.9	7.7
90°-150°	1818.5	11.2
90°-180°	1894.0	11.7
0°-180°	16220.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4505	4505	4505	4505	4505	
5°	4516	4508	4469	4505	4494	429
15°	4328	4341	4339	4397	4397	1220
25°	3950	4005	4052	4141	4144	1821
35°	3433	3525	3644	3761	3794	2149
45°	2822	2969	3150	3292	3330	2175
55°	2147	2339	2564	2725	2780	1922
65°	1453	1661	1919	2108	2166	1440
75°	756	975	1261	1461	1542	801
85°	167	414	700	894	972	192
90°	3	233	494	680	747	11
95°	3	222	480	658	722	2
105°	3	192	450	619	675	3
115°	6	167	380	550	611	4
125°	6	142	325	469	528	5
135°	6	111	272	386	433	4
145°	6	81	189	292	328	4
155°	8	56	117	186	217	4
165°	8	36	64	86	111	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°	4505.3	4505.3	4505.3	4505.3	4505.3
2.5°	4535.8	4522.0	4474.7	4505.3	4491.4
5°	4516.4	4508.1	4469.2	4505.3	4494.2
7.5°	4485.8	4483.1	4452.5	4494.2	4483.1
10°	4444.2	4449.7	4424.7	4469.2	4460.8
12.5°	4391.4	4399.7	4388.6	4438.6	4433.1
15°	4327.5	4341.4	4338.6	4397.0	4397.0
17.5°	4249.7	4269.2	4280.3	4347.0	4347.0
20°	4158.1	4188.6	4210.9	4283.1	4294.2
22.5°	4066.4	4102.5	4135.9	4210.9	4227.5
25°	3949.8	4005.3	4052.5	4141.4	4144.2
27.5°	3835.9	3897.0	3960.9	4047.0	4055.3
30°	3710.9	3788.7	3866.4	3949.8	3974.8
32.5°	3577.6	3663.7	3749.8	3860.9	3894.2
35°	3433.1	3524.8	3644.2	3760.9	3794.2
37.5°	3288.7	3391.5	3530.3	3649.8	3680.3
40°	3141.5	3255.4	3410.9	3533.1	3569.2
42.5°	2977.6	3116.5	3283.1	3413.7	3455.4
45°	2822.1	2969.3	3149.8	3291.5	3330.4
47.5°	2658.2	2813.7	3008.2	3158.1	3202.6
50°	2483.2	2661.0	2869.3	3019.3	3060.9
52.5°	2319.3	2499.9	2719.3	2874.8	2933.2
55°	2147.1	2338.8	2563.7	2724.8	2780.4
57.5°	1986.0	2169.3	2411.0	2572.1	2641.5
60°	1802.7	2005.4	2247.1	2422.1	2477.6
62.5°	1630.5	1836.0	2086.0	2266.5	2330.4
65°	1452.7	1661.0	1919.3	2108.2	2166.5
67.5°	1286.0	1491.6	1755.5	1941.6	2016.5
70°	1102.7	1319.4	1588.8	1780.5	1844.3
72.5°	922.2	1147.2	1422.1	1627.7	1699.9
75°	755.5	974.9	1261.0	1461.0	1541.6
77.5°	594.4	816.6	1105.5	1311.0	1380.5
80°	433.3	666.6	961.1	1163.8	1230.5
82.5°	286.1	530.5	822.2	1024.9	1097.2
85°	166.7	413.9	700.0	894.4	972.2
87.5°	72.2	313.9	586.1	777.7	841.6
90°	2.8	233.3	494.4	680.5	747.2
92.5°	2.8	227.8	483.3	666.6	730.5
95°	2.8	222.2	480.5	658.3	722.2
97.5°	2.8	219.4	475.0	652.7	713.8
100°	2.8	211.1	466.6	641.6	702.7
102.5°	2.8	200.0	458.3	630.5	688.8
105°	2.8	191.7	450.0	619.4	675.0
107.5°	2.8	183.3	436.1	605.5	661.1
110°	2.8	175.0	413.9	591.6	647.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	172.2	397.2	572.2	630.5
115°	5.6	166.7	380.5	550.0	611.1
117.5°	5.6	163.9	366.6	527.7	591.6
120°	5.6	155.5	352.8	508.3	569.4
122.5°	5.6	147.2	338.9	488.9	550.0
125°	5.6	141.7	325.0	469.4	527.7
127.5°	5.6	133.3	313.9	450.0	502.7
130°	5.6	127.8	300.0	427.8	480.5
132.5°	5.6	119.4	286.1	405.5	455.5
135°	5.6	111.1	272.2	386.1	433.3
137.5°	5.6	100.0	255.5	363.9	408.3
140°	5.6	91.7	233.3	341.6	383.3
142.5°	5.6	86.1	211.1	316.6	355.5
145°	5.6	80.6	188.9	291.6	327.8
147.5°	5.6	75.0	169.4	266.7	300.0
150°	5.6	66.7	150.0	244.4	272.2
152.5°	8.3	61.1	133.3	216.7	244.4
155°	8.3	55.6	116.7	186.1	216.7
157.5°	8.3	50.0	100.0	155.5	188.9
160°	8.3	44.4	86.1	127.8	161.1
162.5°	8.3	41.7	75.0	105.5	136.1
165°	8.3	36.1	63.9	86.1	111.1
167.5°	8.3	27.8	52.8	66.7	91.7
170°	8.3	22.2	41.7	47.2	69.4
172.5°	8.3	16.7	30.6	33.3	36.1
175°	8.3	13.9	19.4	19.4	11.1
177.5°	8.3	11.1	11.1	11.1	5.6
180°	5.6	5.6	5.6	5.6	5.6

(END OF REPORT)