

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: P567719

Luminaire Tested: **8SNX-200HL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567719
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-L935-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

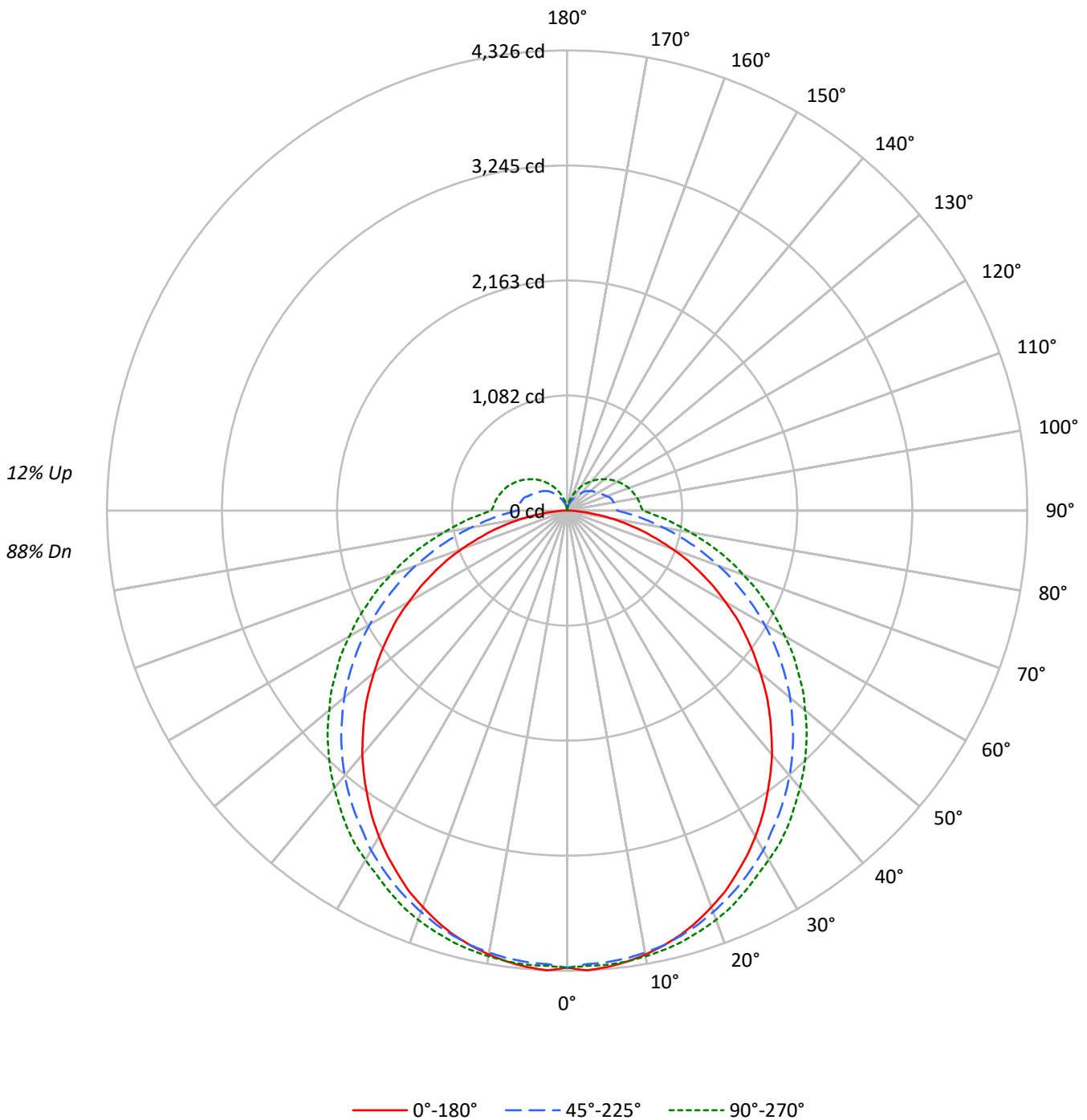
Lumens per Lamp: N/A
Luminaire Lumens: 15470.0 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	23126	23126	23126
5°	23251	22551	22504
10°	23122	22119	21965
15°	22933	21652	21457
20°	22628	21140	20928
25°	22263	20625	20325
30°	21864	20107	19770
35°	21358	19526	19291
40°	20869	18997	18706
45°	20276	18409	18150
50°	19588	17783	17514
55°	18934	17049	16879
60°	18180	16254	16150
65°	17260	15345	15371
70°	16091	14320	14476
75°	14426	13138	13655
80°	12098	11972	12617
85°	8778	10943	11941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.9	2.6
10°-20°	1173.4	7.6
20°-30°	1785.1	11.5
30°-40°	2170.5	14.0
40°-50°	2296.4	14.8
50°-60°	2152.5	13.9
60°-70°	1770.8	11.4
70°-80°	1225.3	7.9
80°-90°	681.3	4.4
90°-100°	448.9	2.9
100°-110°	402.5	2.6
110°-120°	333.1	2.2
120°-130°	257.6	1.7
130°-140°	182.3	1.2
140°-150°	110.0	0.7
150°-160°	52.8	0.3
160°-170°	17.3	0.1
170°-180°	2.1	0.0
0°-30°	3366.5	21.8
0°-40°	5537.1	35.8
0°-60°	9986.0	64.6
0°-90°	13663.4	88.3
90°-120°	1184.5	7.7
90°-150°	1734.3	11.2
90°-180°	1807.0	11.7
0°-180°	15470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4297	4297	4297	4297	4297	
5°	4308	4300	4262	4297	4286	409
15°	4127	4141	4138	4194	4194	1163
25°	3767	3820	3865	3950	3953	1736
35°	3274	3362	3476	3587	3619	2049
45°	2692	2832	3004	3139	3176	2075
55°	2048	2231	2445	2599	2652	1833
65°	1386	1584	1831	2011	2066	1374
75°	721	930	1203	1394	1470	764
85°	159	395	668	853	927	183
90°	3	222	472	649	713	11
95°	3	212	458	628	689	2
105°	3	183	429	591	644	3
115°	5	159	363	524	583	4
125°	5	135	310	448	503	5
135°	5	106	260	368	413	4
145°	5	77	180	278	313	3
155°	8	53	111	178	207	3
165°	8	34	61	82	106	2
175°	8	13	18	18	11	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4297.0	4297.0	4297.0	4297.0	4297.0
2.5°	4326.1	4312.9	4267.8	4297.0	4283.7
5°	4307.6	4299.6	4262.5	4297.0	4286.4
7.5°	4278.4	4275.8	4246.6	4286.4	4275.8
10°	4238.7	4244.0	4220.1	4262.5	4254.6
12.5°	4188.4	4196.3	4185.7	4233.4	4228.1
15°	4127.4	4140.7	4138.0	4193.6	4193.6
17.5°	4053.2	4071.8	4082.4	4146.0	4146.0
20°	3965.8	3995.0	4016.2	4085.0	4095.6
22.5°	3878.4	3912.8	3944.6	4016.2	4032.1
25°	3767.1	3820.1	3865.2	3949.9	3952.6
27.5°	3658.5	3716.8	3777.7	3859.9	3867.8
30°	3539.3	3613.5	3687.7	3767.1	3791.0
32.5°	3412.1	3494.3	3576.4	3682.4	3714.1
35°	3274.4	3361.8	3475.7	3587.0	3618.8
37.5°	3136.6	3234.6	3367.1	3481.0	3510.2
40°	2996.2	3104.8	3253.2	3369.8	3404.2
42.5°	2839.9	2972.4	3131.3	3255.8	3295.6
45°	2691.6	2832.0	3004.2	3139.3	3176.4
47.5°	2535.3	2683.6	2869.1	3012.1	3054.5
50°	2368.4	2537.9	2736.6	2879.7	2919.4
52.5°	2212.1	2384.3	2593.5	2741.9	2797.5
55°	2047.8	2230.6	2445.2	2598.8	2651.8
57.5°	1894.2	2069.0	2299.5	2453.1	2519.4
60°	1719.3	1912.7	2143.2	2310.1	2363.1
62.5°	1555.1	1751.1	1989.5	2161.7	2222.7
65°	1385.5	1584.2	1830.6	2010.7	2066.4
67.5°	1226.6	1422.6	1674.3	1851.8	1923.3
70°	1051.7	1258.4	1515.3	1698.1	1759.1
72.5°	879.5	1094.1	1356.4	1552.4	1621.3
75°	720.6	929.9	1202.7	1393.5	1470.3
77.5°	566.9	778.9	1054.4	1250.4	1316.6
80°	413.3	635.8	916.6	1110.0	1173.6
82.5°	272.9	506.0	784.2	977.5	1046.4
85°	159.0	394.7	667.6	853.0	927.2
87.5°	68.9	299.4	559.0	741.8	802.7
90°	2.6	222.5	471.6	649.0	712.6
92.5°	2.6	217.2	461.0	635.8	696.7
95°	2.6	211.9	458.3	627.9	688.8
97.5°	2.6	209.3	453.0	622.6	680.8
100°	2.6	201.3	445.1	612.0	670.2
102.5°	2.6	190.7	437.1	601.4	657.0
105°	2.6	182.8	429.2	590.8	643.8
107.5°	2.6	174.8	415.9	577.5	630.5
110°	2.6	166.9	394.7	564.3	617.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	164.2	378.8	545.7	601.4
115°	5.3	159.0	362.9	524.5	582.8
117.5°	5.3	156.3	349.7	503.3	564.3
120°	5.3	148.4	336.4	484.8	543.1
122.5°	5.3	140.4	323.2	466.3	524.5
125°	5.3	135.1	310.0	447.7	503.3
127.5°	5.3	127.2	299.4	429.2	479.5
130°	5.3	121.9	286.1	408.0	458.3
132.5°	5.3	113.9	272.9	386.8	434.5
135°	5.3	106.0	259.6	368.2	413.3
137.5°	5.3	95.4	243.7	347.0	389.4
140°	5.3	87.4	222.5	325.8	365.6
142.5°	5.3	82.1	201.3	302.0	339.1
145°	5.3	76.8	180.1	278.2	312.6
147.5°	5.3	71.5	161.6	254.3	286.1
150°	5.3	63.6	143.1	233.1	259.6
152.5°	7.9	58.3	127.2	206.6	233.1
155°	7.9	53.0	111.3	177.5	206.6
157.5°	7.9	47.7	95.4	148.4	180.1
160°	7.9	42.4	82.1	121.9	153.7
162.5°	7.9	39.7	71.5	100.7	129.8
165°	7.9	34.4	60.9	82.1	106.0
167.5°	7.9	26.5	50.3	63.6	87.4
170°	7.9	21.2	39.7	45.0	66.2
172.5°	7.9	15.9	29.1	31.8	34.4
175°	7.9	13.2	18.5	18.5	10.6
177.5°	7.9	10.6	10.6	10.6	5.3
180°	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)