

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: P567647

Luminaire Tested: **8SNX-186HL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-186HL-LC-UNV-L935-CD
Description: 8FT 18600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

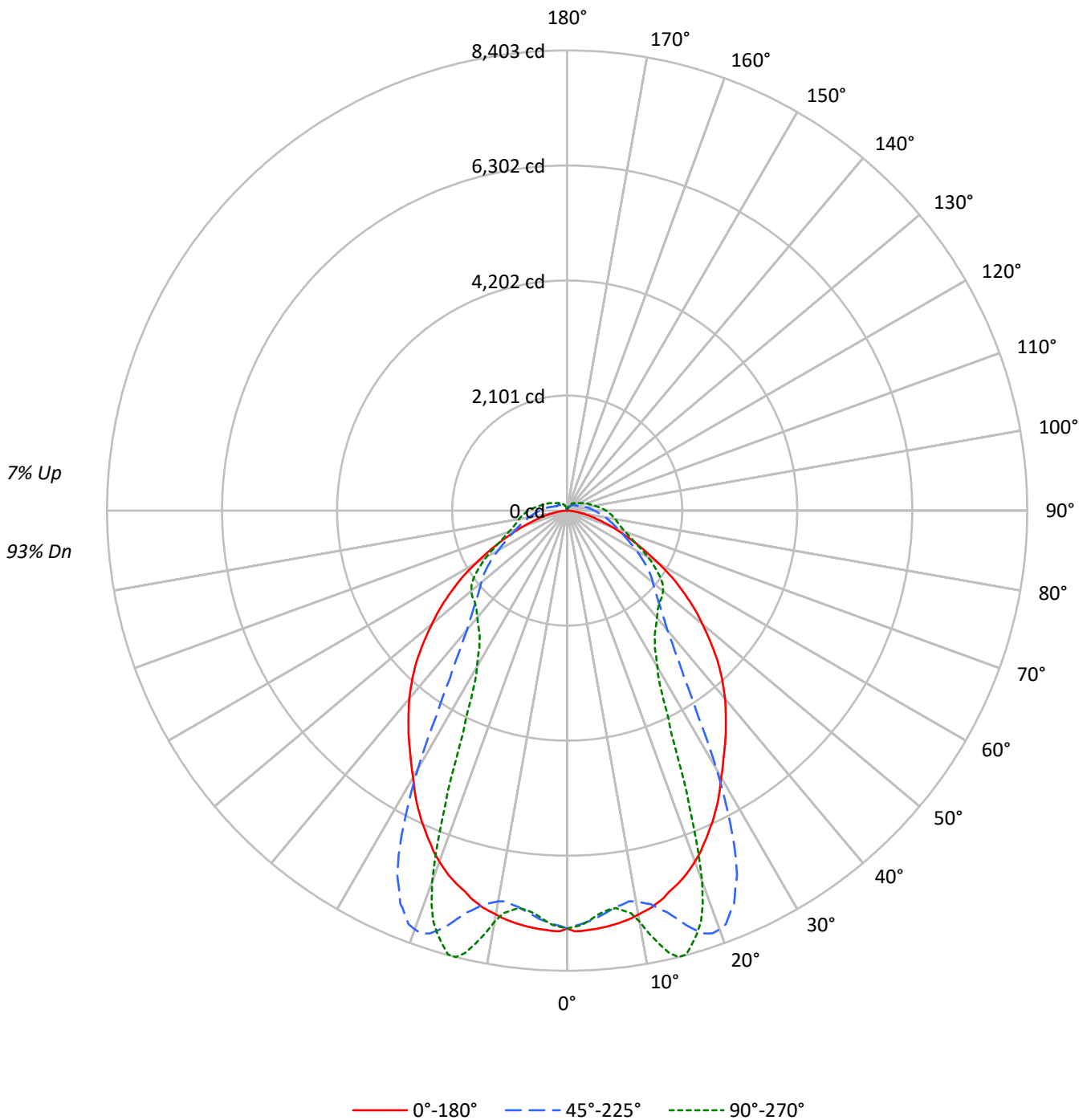
Lumens per Lamp: N/A
Luminaire Lumens: 16961.0 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 134.8
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41073	41073	41073
5°	41197	38380	37596
10°	40779	36485	37281
15°	39904	37991	39689
20°	38773	39608	33216
25°	36903	35540	20424
30°	34555	26477	14781
35°	32650	18279	12469
40°	30952	14189	11492
45°	28962	12082	10868
50°	26341	10846	10669
55°	23573	9810	9871
60°	19990	8489	8538
65°	16258	7394	7126
70°	12758	6647	6274
75°	9892	6180	5851
80°	6963	5854	5792
85°	3875	5585	5751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.1	4.2
10°-20°	2169.9	12.8
20°-30°	2921.8	17.2
30°-40°	2765.2	16.3
40°-50°	2440.7	14.4
50°-60°	1982.4	11.7
60°-70°	1348.2	7.9
70°-80°	867.5	5.1
80°-90°	576.9	3.4
90°-100°	396.4	2.3
100°-110°	266.1	1.6
110°-120°	187.7	1.1
120°-130°	134.1	0.8
130°-140°	94.6	0.6
140°-150°	58.7	0.3
150°-160°	28.7	0.2
160°-170°	10.0	0.1
170°-180°	1.7	0.0
0°-30°	5801.9	34.2
0°-40°	8567.1	50.5
0°-60°	12990.3	76.6
0°-90°	15782.9	93.1
90°-120°	850.2	5.0
90°-150°	1137.7	6.7
90°-180°	1178.0	6.9
0°-180°	16961.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7632	7632	7632	7632	7632	
5°	7639	7570	7406	7401	7365	725
15°	7202	7155	7707	8388	8396	2030
25°	6275	7440	7342	5332	4508	2879
35°	5042	7075	3729	2872	2784	3155
45°	3884	4760	2359	2331	2380	2982
55°	2587	2815	1771	1978	2054	2310
65°	1334	1518	1186	1318	1360	1339
75°	513	717	836	937	982	558
85°	78	306	593	751	803	102
90°	3	212	495	666	710	5
95°	3	163	417	564	603	2
105°	5	114	274	386	432	5
115°	5	98	202	287	324	6
125°	8	83	174	218	233	7
135°	10	65	142	181	192	8
145°	10	47	101	140	153	7
155°	13	28	62	93	106	6
165°	13	18	34	47	57	4
175°	16	16	16	16	13	1
180°	13	13	13	13	13	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7631.6	7631.6	7631.6	7631.6	7631.6
1°	7683.4	7660.1	7582.4	7623.8	7603.1
2°	7680.8	7642.0	7553.9	7600.5	7574.6
3°	7667.9	7626.4	7512.5	7541.0	7502.1
4°	7654.9	7605.7	7468.5	7468.5	7424.4
5°	7639.4	7569.5	7406.3	7401.1	7364.9
6°	7621.3	7541.0	7351.9	7346.8	7326.0
7°	7595.4	7491.8	7292.4	7328.6	7313.1
8°	7564.3	7445.2	7261.3	7351.9	7375.2
9°	7535.8	7388.2	7225.0	7424.4	7442.6
10°	7489.2	7336.4	7248.4	7569.5	7623.8
11°	7450.3	7292.4	7300.1	7711.9	7875.0
12°	7411.5	7245.8	7349.3	7890.6	8090.0
13°	7346.8	7209.5	7458.1	8084.8	8289.4
14°	7289.8	7181.0	7564.3	8281.6	8403.3
15°	7201.7	7155.1	7706.7	8387.8	8395.6
16°	7142.2	7137.0	7872.4	8395.6	8250.5
17°	7074.8	7129.2	8007.1	8260.9	8090.0
18°	6999.7	7144.8	8118.5	8092.6	7895.8
19°	6914.3	7160.3	8165.1	7859.5	7605.7
20°	6821.1	7183.6	8139.2	7616.1	7206.9
21°	6727.8	7214.7	8090.0	7359.7	6683.8
22.5°	6554.3	7289.8	7856.9	6639.8	5818.9
23°	6505.1	7305.3	7802.5	6414.5	5593.6
24°	6383.4	7370.1	7553.9	5888.8	4998.0
25°	6274.7	7440.0	7341.6	5332.0	4508.5
26°	6152.9	7491.8	7020.5	4819.3	4208.1
27°	6033.8	7522.9	6655.3	4420.5	3871.5
28°	5896.6	7556.5	6259.1	4076.1	3617.7
29°	5767.1	7561.7	5868.1	3801.6	3418.3
30°	5627.2	7535.8	5456.3	3581.4	3294.0
32.5°	5321.7	7393.4	4449.0	3161.9	2983.2
35°	5042.0	7074.8	3729.1	2871.9	2783.8
37.5°	4759.7	6572.5	3224.1	2690.6	2662.1
40°	4482.6	5976.8	2843.4	2545.6	2550.8
42.5°	4190.0	5363.1	2581.9	2426.5	2449.8
45°	3884.4	4759.7	2359.1	2330.7	2379.9
47.5°	3545.2	4208.1	2183.1	2268.5	2343.6
50°	3224.1	3661.7	2045.8	2208.9	2286.6
52.5°	2918.5	3213.7	1921.5	2108.0	2198.6
55°	2587.0	2814.9	1771.3	1978.5	2053.6
57.5°	2271.1	2455.0	1613.3	1817.9	1885.2
60°	1924.1	2100.2	1452.8	1644.4	1709.2
62.5°	1610.7	1797.2	1315.5	1470.9	1522.7
65°	1333.7	1517.5	1186.0	1318.1	1359.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1087.6	1284.5	1079.9	1191.2	1230.1
70°	857.2	1064.3	986.6	1087.6	1129.1
72.5°	670.7	880.5	909.0	1002.2	1043.6
75°	512.7	717.3	836.4	937.4	981.5
77.5°	380.7	585.3	769.1	885.7	932.3
80°	251.2	466.1	709.6	839.0	893.4
82.5°	158.0	375.5	650.0	792.4	849.4
85°	77.7	305.6	593.0	751.0	802.8
87.5°	25.9	253.8	541.2	709.6	753.6
90°	2.6	212.3	494.6	665.5	709.6
92.5°	2.6	183.9	455.8	613.7	657.8
95°	2.6	163.1	416.9	564.5	603.4
97.5°	2.6	147.6	380.7	512.7	554.2
100°	2.6	132.1	341.8	463.5	507.6
102.5°	5.2	121.7	308.2	422.1	468.7
105°	5.2	113.9	274.5	385.9	432.5
107.5°	5.2	108.8	246.0	357.4	401.4
110°	5.2	103.6	225.3	331.5	378.1
112.5°	5.2	101.0	212.3	308.2	352.2
115°	5.2	98.4	202.0	287.4	323.7
117.5°	7.8	95.8	194.2	266.7	295.2
120°	7.8	90.6	189.0	248.6	271.9
122.5°	7.8	85.5	181.3	233.1	251.2
125°	7.8	82.9	173.5	217.5	233.1
127.5°	7.8	77.7	165.7	204.6	220.1
130°	10.4	72.5	158.0	194.2	207.2
132.5°	10.4	67.3	150.2	189.0	199.4
135°	10.4	64.7	142.4	181.3	191.6
137.5°	10.4	59.6	134.7	173.5	183.9
140°	10.4	54.4	124.3	163.1	173.5
142.5°	10.4	51.8	113.9	152.8	163.1
145°	10.4	46.6	101.0	139.8	152.8
147.5°	12.9	44.0	90.6	129.5	139.8
150°	12.9	38.8	80.3	119.1	129.5
152.5°	12.9	33.7	69.9	106.2	116.5
155°	12.9	28.5	62.2	93.2	106.2
157.5°	12.9	25.9	54.4	77.7	93.2
160°	12.9	23.3	46.6	67.3	80.3
162.5°	12.9	20.7	41.4	57.0	69.9
165°	12.9	18.1	33.7	46.6	57.0
167.5°	15.5	18.1	28.5	36.3	46.6
170°	15.5	18.1	23.3	28.5	36.3
172.5°	15.5	15.5	18.1	20.7	23.3
175°	15.5	15.5	15.5	15.5	12.9
177.5°	15.5	15.5	15.5	12.9	12.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	12.9	12.9	12.9	12.9	12.9

(END OF REPORT)