

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: P567323

Luminaire Tested: **8SNX-126SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-126SL-LW-UNV-L835-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

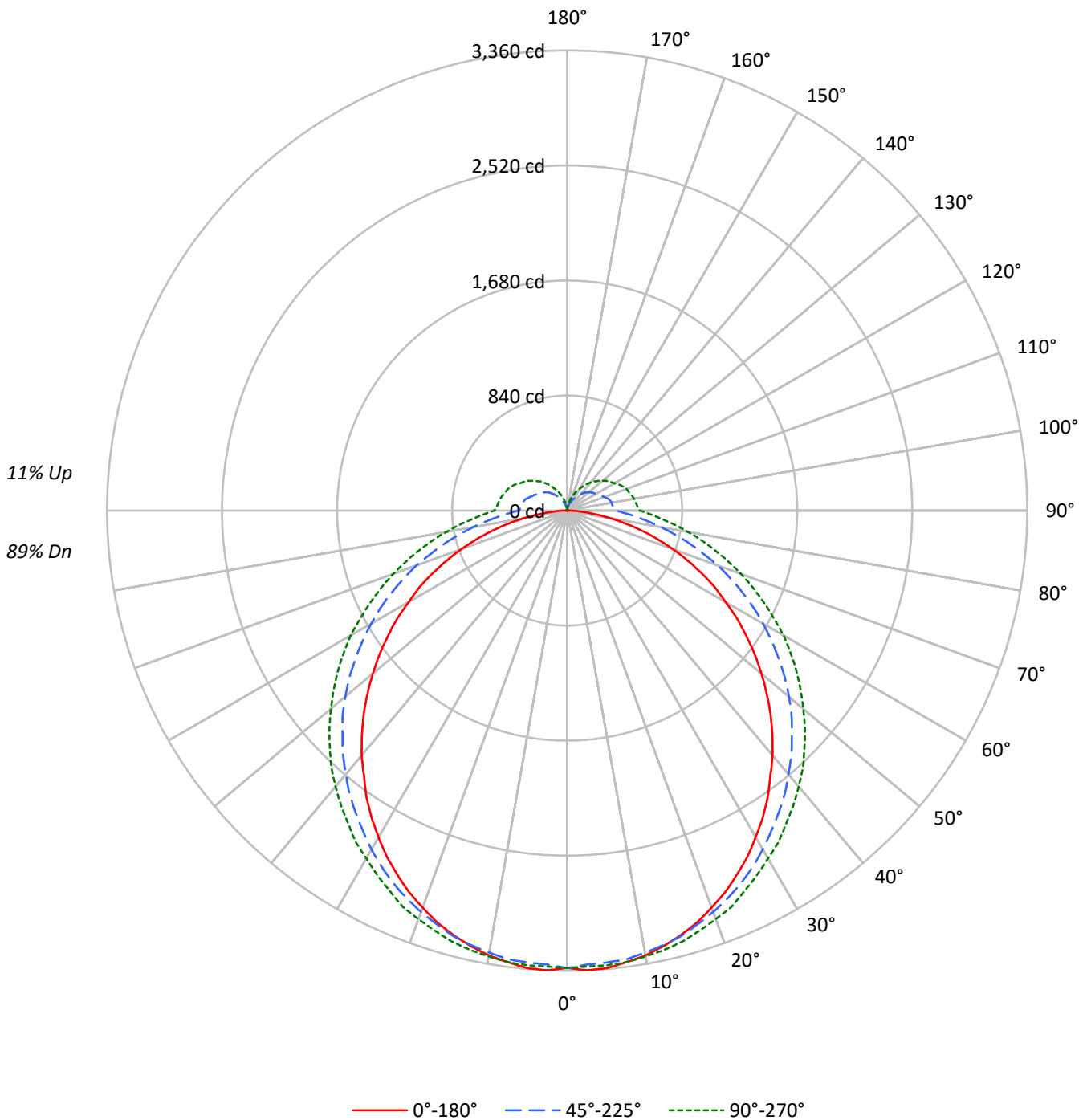
Lumens per Lamp: N/A
Luminaire Lumens: 11888.0 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 88.8
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17973	17973	17973
5°	18082	17162	17012
10°	17958	16497	16161
15°	17778	15851	15396
20°	17534	15178	14629
25°	17250	14532	13880
30°	16912	13866	13162
35°	16542	13196	12490
40°	16117	12541	11850
45°	15657	11883	11194
50°	15132	11206	10505
55°	14556	10448	9829
60°	13877	9656	9115
65°	13178	8800	8300
70°	12194	7886	7499
75°	10893	6817	6649
80°	8778	5737	5803
85°	6179	4734	4932



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.2	2.7
10°-20°	911.7	7.7
20°-30°	1386.2	11.7
30°-40°	1682.7	14.2
40°-50°	1778.2	15.0
50°-60°	1663.9	14.0
60°-70°	1365.3	11.5
70°-80°	939.1	7.9
80°-90°	514.2	4.3
90°-100°	331.2	2.8
100°-110°	297.2	2.5
110°-120°	246.0	2.1
120°-130°	189.4	1.6
130°-140°	133.1	1.1
140°-150°	80.2	0.7
150°-160°	38.4	0.3
160°-170°	12.6	0.1
170°-180°	1.5	0.0
0°-30°	2615.1	22.0
0°-40°	4297.8	36.2
0°-60°	7740.0	65.1
0°-90°	10558.5	88.8
90°-120°	874.3	7.4
90°-150°	1277.0	10.7
90°-180°	1329.0	11.2
0°-180°	11888.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3339	3339	3339	3339	3339	
5°	3353	3346	3312	3339	3332	318
15°	3208	3222	3215	3257	3257	905
25°	2933	2968	3002	3064	3064	1352
35°	2554	2616	2692	2768	2788	1596
45°	2100	2196	2320	2424	2451	1619
55°	1597	1728	1887	2004	2045	1429
65°	1081	1226	1412	1542	1584	1071
75°	565	716	923	1067	1115	594
85°	124	296	503	640	688	143
90°	0	165	351	482	530	8
95°	0	158	337	461	510	0
105°	0	131	317	434	475	5
115°	7	117	268	386	434	7
125°	7	96	227	330	372	6
135°	7	76	186	268	303	5
145°	7	55	131	207	227	4
155°	7	34	83	131	152	3
165°	7	21	41	62	76	2
175°	7	7	14	14	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3339.4	3339.4	3339.4	3339.4	3339.4
2.5°	3360.0	3353.1	3318.7	3346.3	3332.5
5°	3353.1	3346.3	3311.8	3339.4	3332.5
7.5°	3325.6	3325.6	3304.9	3332.5	3325.6
10°	3298.1	3298.1	3277.4	3311.8	3304.9
12.5°	3256.7	3263.6	3249.9	3291.2	3284.3
15°	3208.5	3222.3	3215.4	3256.7	3256.7
17.5°	3153.5	3167.2	3167.2	3215.4	3215.4
20°	3084.6	3105.3	3119.0	3174.1	3174.1
22.5°	3015.8	3043.3	3064.0	3112.2	3132.8
25°	2933.1	2967.6	3002.0	3064.0	3064.0
27.5°	2850.5	2891.8	2933.1	2995.1	3002.0
30°	2754.1	2802.3	2857.4	2919.4	2933.1
32.5°	2657.7	2719.7	2774.8	2850.5	2871.2
35°	2554.4	2616.4	2692.1	2767.9	2788.5
37.5°	2437.4	2513.1	2609.5	2692.1	2712.8
40°	2334.1	2416.7	2513.1	2609.5	2630.2
42.5°	2217.1	2306.6	2423.6	2513.1	2547.6
45°	2100.0	2196.4	2320.3	2423.6	2451.2
47.5°	1976.1	2086.2	2223.9	2320.3	2354.8
50°	1852.1	1969.2	2113.8	2223.9	2251.5
52.5°	1728.2	1852.1	2003.6	2113.8	2148.2
55°	1597.4	1728.2	1886.6	2003.6	2044.9
57.5°	1473.5	1604.3	1769.5	1893.5	1934.8
60°	1335.7	1487.2	1652.5	1776.4	1824.6
62.5°	1218.7	1356.4	1535.4	1659.4	1700.7
65°	1081.0	1225.6	1411.5	1542.3	1583.6
67.5°	950.2	1101.6	1287.5	1425.3	1466.6
70°	819.3	970.8	1170.5	1301.3	1349.5
72.5°	688.5	846.9	1039.7	1184.3	1232.5
75°	564.6	716.1	922.6	1067.2	1115.4
77.5°	433.8	599.0	805.6	950.2	1005.3
80°	316.7	488.9	695.4	840.0	895.1
82.5°	213.4	385.6	592.1	736.7	791.8
85°	123.9	296.1	502.6	640.3	688.5
87.5°	62.0	227.2	420.0	557.7	605.9
90°	0.0	165.2	351.1	482.0	530.2
92.5°	0.0	158.4	344.3	468.2	516.4
95°	0.0	158.4	337.4	461.3	509.5
97.5°	0.0	151.5	330.5	461.3	502.6
100°	0.0	144.6	330.5	454.4	495.7
102.5°	0.0	137.7	323.6	447.5	488.9
105°	0.0	130.8	316.7	433.8	475.1
107.5°	6.9	130.8	303.0	426.9	468.2
110°	6.9	123.9	289.2	420.0	461.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.9	117.0	275.4	406.2	447.5
115°	6.9	117.0	268.5	385.6	433.8
117.5°	6.9	110.2	254.8	371.8	420.0
120°	6.9	110.2	247.9	358.0	399.3
122.5°	6.9	103.3	234.1	344.3	385.6
125°	6.9	96.4	227.2	330.5	371.8
127.5°	6.9	89.5	220.3	316.7	358.0
130°	6.9	82.6	206.6	303.0	337.4
132.5°	6.9	82.6	199.7	282.3	323.6
135°	6.9	75.7	185.9	268.5	303.0
137.5°	6.9	68.9	172.1	254.8	289.2
140°	6.9	62.0	158.4	241.0	268.5
142.5°	6.9	62.0	144.6	220.3	247.9
145°	6.9	55.1	130.8	206.6	227.2
147.5°	6.9	48.2	117.0	185.9	206.6
150°	6.9	48.2	103.3	165.2	185.9
152.5°	6.9	41.3	89.5	151.5	172.1
155°	6.9	34.4	82.6	130.8	151.5
157.5°	6.9	34.4	68.9	110.2	130.8
160°	6.9	27.5	62.0	89.5	110.2
162.5°	6.9	27.5	55.1	75.7	96.4
165°	6.9	20.7	41.3	62.0	75.7
167.5°	6.9	20.7	34.4	48.2	62.0
170°	6.9	13.8	27.5	34.4	48.2
172.5°	6.9	13.8	20.7	20.7	20.7
175°	6.9	6.9	13.8	13.8	6.9
177.5°	6.9	6.9	6.9	6.9	6.9
180°	6.9	6.9	6.9	6.9	6.9

(END OF REPORT)