

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: P567322

Luminaire Tested: **8SNX-126SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567322
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-L830-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

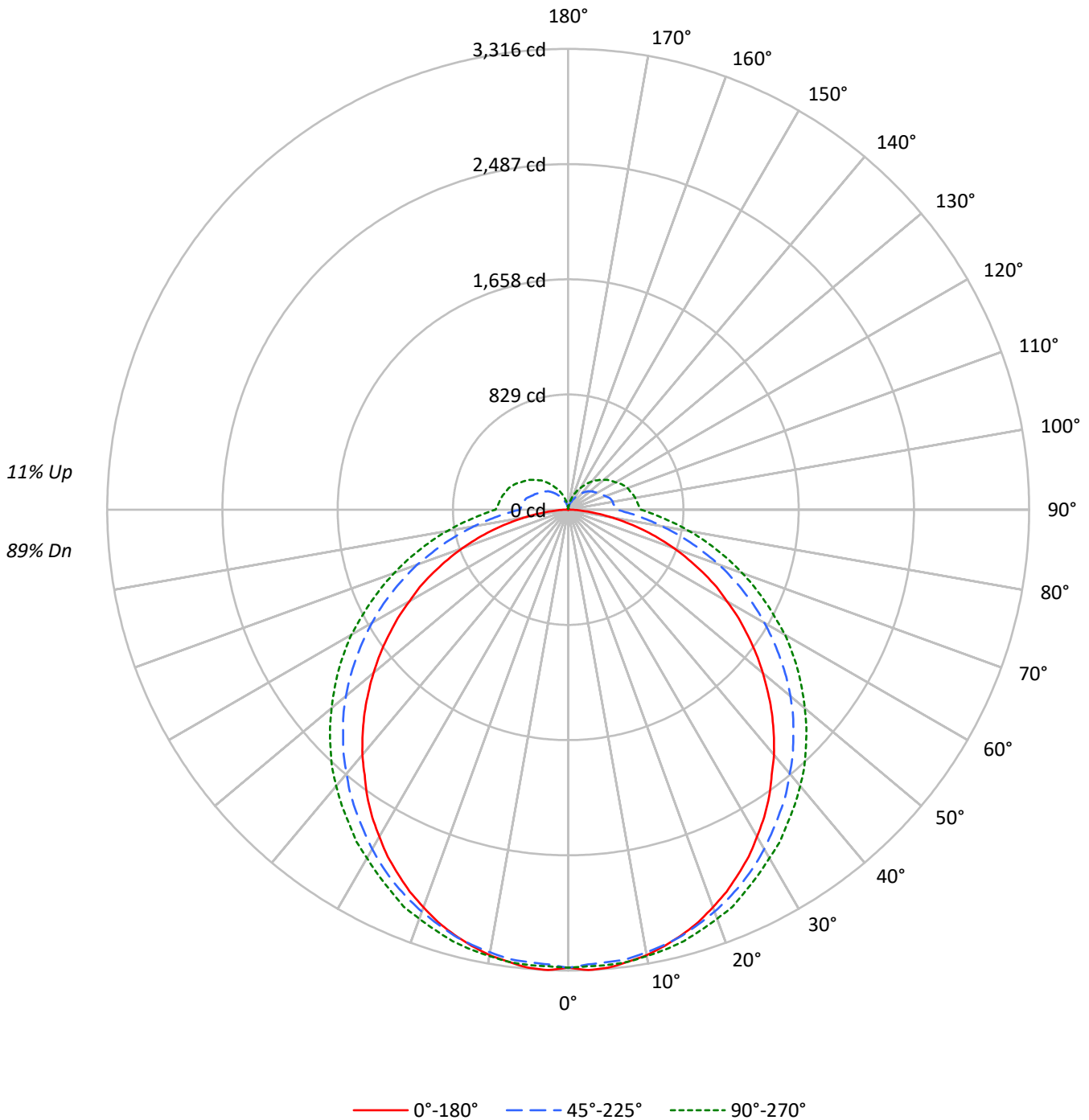
Lumens per Lamp: N/A
Luminaire Lumens: 11731.0 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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	77	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°	17735	17735	17735
5°	17844	16936	16787
10°	17721	16279	15948
15°	17544	15642	15192
20°	17302	14978	14436
25°	17023	14340	13697
30°	16689	13683	12988
35°	16323	13022	12325
40°	15904	12375	11693
45°	15451	11727	11046
50°	14932	11058	10366
55°	14363	10310	9699
60°	13694	9528	8994
65°	13003	8684	8191
70°	12034	7781	7400
75°	10749	6727	6562
80°	8662	5661	5726
85°	6100	4671	4867



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.0	2.7
10°-20°	899.6	7.7
20°-30°	1367.9	11.7
30°-40°	1660.5	14.2
40°-50°	1754.7	15.0
50°-60°	1642.0	14.0
60°-70°	1347.2	11.5
70°-80°	926.6	7.9
80°-90°	507.5	4.3
90°-100°	326.8	2.8
100°-110°	293.2	2.5
110°-120°	242.7	2.1
120°-130°	186.9	1.6
130°-140°	131.3	1.1
140°-150°	79.1	0.7
150°-160°	37.9	0.3
160°-170°	12.4	0.1
170°-180°	1.5	0.0
0°-30°	2580.6	22.0
0°-40°	4241.1	36.2
0°-60°	7637.8	65.1
0°-90°	10419.1	88.8
90°-120°	862.7	7.4
90°-150°	1260.1	10.7
90°-180°	1312.0	11.2
0°-180°	11731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3295	3295	3295	3295	3295	
5°	3309	3302	3268	3295	3288	314
15°	3166	3180	3173	3214	3214	893
25°	2894	2928	2962	3024	3024	1334
35°	2521	2582	2657	2731	2752	1575
45°	2072	2167	2290	2392	2419	1597
55°	1576	1705	1862	1977	2018	1411
65°	1067	1209	1393	1522	1563	1056
75°	557	707	910	1053	1101	587
85°	122	292	496	632	679	141
90°	0	163	346	476	523	8
95°	0	156	333	455	503	0
105°	0	129	312	428	469	4
115°	7	116	265	380	428	7
125°	7	95	224	326	367	6
135°	7	75	183	265	299	5
145°	7	54	129	204	224	4
155°	7	34	82	129	150	3
165°	7	20	41	61	75	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°	3295.3	3295.3	3295.3	3295.3	3295.3
2.5°	3315.6	3308.9	3274.9	3302.1	3288.5
5°	3308.9	3302.1	3268.1	3295.3	3288.5
7.5°	3281.7	3281.7	3261.3	3288.5	3281.7
10°	3254.5	3254.5	3234.1	3268.1	3261.3
12.5°	3213.7	3220.5	3206.9	3247.7	3240.9
15°	3166.2	3179.8	3173.0	3213.7	3213.7
17.5°	3111.8	3125.4	3125.4	3173.0	3173.0
20°	3043.9	3064.3	3077.8	3132.2	3132.2
22.5°	2975.9	3003.1	3023.5	3071.1	3091.4
25°	2894.4	2928.4	2962.3	3023.5	3023.5
27.5°	2812.9	2853.6	2894.4	2955.5	2962.3
30°	2717.7	2765.3	2819.7	2880.8	2894.4
32.5°	2622.6	2683.8	2738.1	2812.9	2833.2
35°	2520.7	2581.9	2656.6	2731.3	2751.7
37.5°	2405.2	2479.9	2575.1	2656.6	2677.0
40°	2303.3	2384.8	2479.9	2575.1	2595.4
42.5°	2187.8	2276.1	2391.6	2479.9	2513.9
45°	2072.3	2167.4	2289.7	2391.6	2418.8
47.5°	1950.0	2058.7	2194.6	2289.7	2323.7
50°	1827.7	1943.2	2085.9	2194.6	2221.8
52.5°	1705.4	1827.7	1977.2	2085.9	2119.8
55°	1576.3	1705.4	1861.7	1977.2	2017.9
57.5°	1454.0	1583.1	1746.2	1868.4	1909.2
60°	1318.1	1467.6	1630.6	1752.9	1800.5
62.5°	1202.6	1338.5	1515.1	1637.4	1678.2
65°	1066.7	1209.4	1392.8	1521.9	1562.7
67.5°	937.6	1087.1	1270.5	1406.4	1447.2
70°	808.5	958.0	1155.0	1284.1	1331.7
72.5°	679.4	835.7	1025.9	1168.6	1216.2
75°	557.1	706.6	910.4	1053.1	1100.7
77.5°	428.0	591.1	794.9	937.6	992.0
80°	312.5	482.4	686.2	828.9	883.3
82.5°	210.6	380.5	584.3	727.0	781.4
85°	122.3	292.2	496.0	631.9	679.4
87.5°	61.1	224.2	414.5	550.3	597.9
90°	0.0	163.1	346.5	475.6	523.2
92.5°	0.0	156.3	339.7	462.0	509.6
95°	0.0	156.3	332.9	455.2	502.8
97.5°	0.0	149.5	326.1	455.2	496.0
100°	0.0	142.7	326.1	448.4	489.2
102.5°	0.0	135.9	319.3	441.6	482.4
105°	0.0	129.1	312.5	428.0	468.8
107.5°	6.8	129.1	299.0	421.3	462.0
110°	6.8	122.3	285.4	414.5	455.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.8	115.5	271.8	400.9	441.6
115°	6.8	115.5	265.0	380.5	428.0
117.5°	6.8	108.7	251.4	366.9	414.5
120°	6.8	108.7	244.6	353.3	394.1
122.5°	6.8	101.9	231.0	339.7	380.5
125°	6.8	95.1	224.2	326.1	366.9
127.5°	6.8	88.3	217.4	312.5	353.3
130°	6.8	81.5	203.8	299.0	332.9
132.5°	6.8	81.5	197.0	278.6	319.3
135°	6.8	74.7	183.4	265.0	299.0
137.5°	6.8	67.9	169.9	251.4	285.4
140°	6.8	61.1	156.3	237.8	265.0
142.5°	6.8	61.1	142.7	217.4	244.6
145°	6.8	54.4	129.1	203.8	224.2
147.5°	6.8	47.6	115.5	183.4	203.8
150°	6.8	47.6	101.9	163.1	183.4
152.5°	6.8	40.8	88.3	149.5	169.9
155°	6.8	34.0	81.5	129.1	149.5
157.5°	6.8	34.0	67.9	108.7	129.1
160°	6.8	27.2	61.1	88.3	108.7
162.5°	6.8	27.2	54.4	74.7	95.1
165°	6.8	20.4	40.8	61.1	74.7
167.5°	6.8	20.4	34.0	47.6	61.1
170°	6.8	13.6	27.2	34.0	47.6
172.5°	6.8	13.6	20.4	20.4	20.4
175°	6.8	6.8	13.6	13.6	6.8
177.5°	6.8	6.8	6.8	6.8	6.8
180°	6.8	6.8	6.8	6.8	6.8

(END OF REPORT)