

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: P567332

Luminaire Tested: **8SNX-126SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567332  
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-SLW-UNV-L840-CD  
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

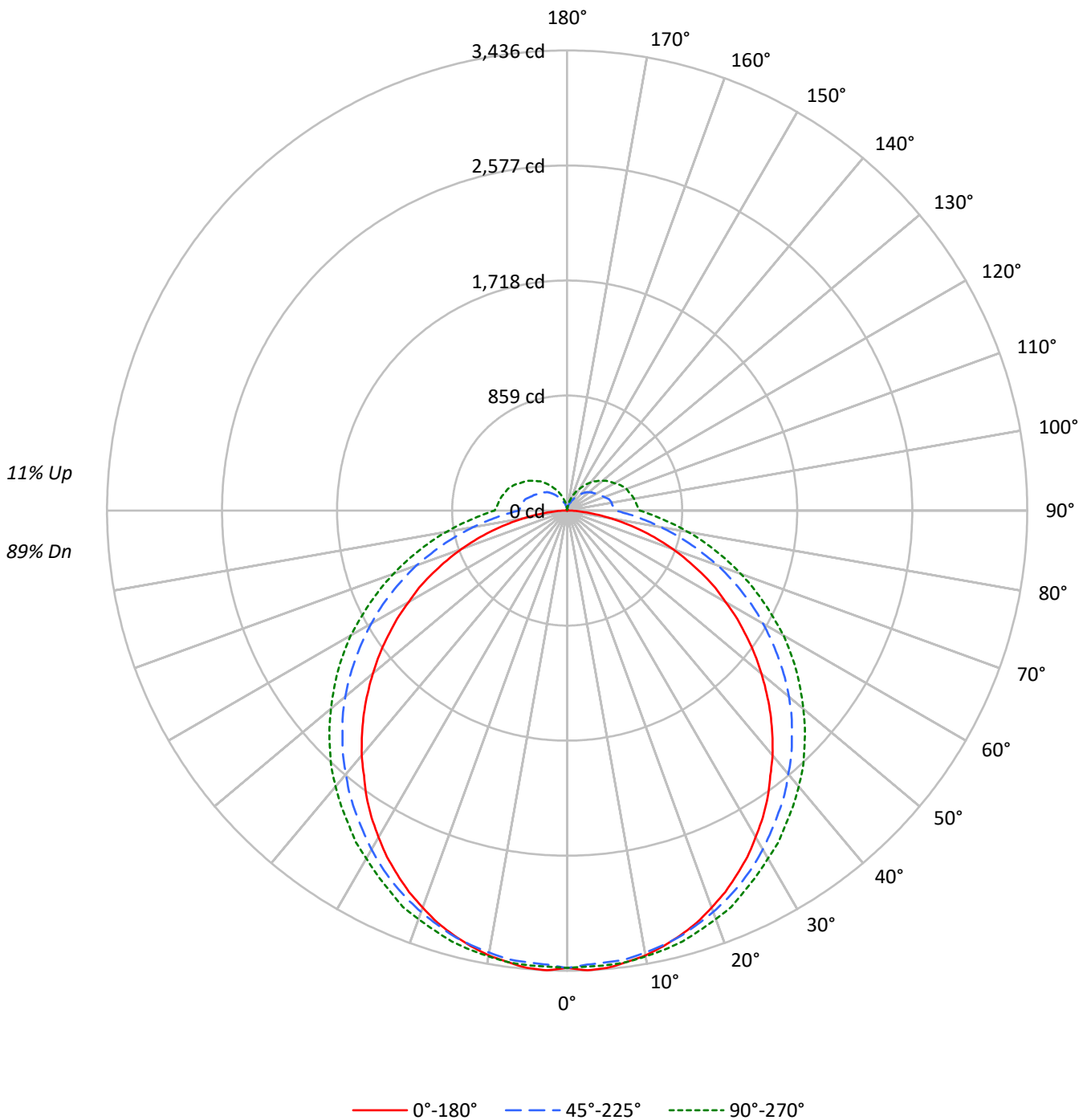
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12156.0 lumens  
Efficiency: N/A  
Efficacy: 136.9 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: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 88.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	18377	18377	18377
5°	18507	17916	17890
10°	18396	17565	17447
15°	18230	17204	17039
20°	17997	16788	16585
25°	17725	16380	16111
30°	17397	15931	15641
35°	17037	15465	15201
40°	16623	15006	14778
45°	16177	14539	14322
50°	15664	14045	13811
55°	15103	13451	13310
60°	14443	12814	12750
65°	13771	12099	12045
70°	12818	11311	11356
75°	11557	10306	10593
80°	9481	9288	9840
85°	6994	8425	9068



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	324.3	2.7
10°-20°	932.2	7.7
20°-30°	1417.5	11.7
30°-40°	1720.7	14.2
40°-50°	1818.3	15.0
50°-60°	1701.5	14.0
60°-70°	1396.1	11.5
70°-80°	960.2	7.9
80°-90°	525.9	4.3
90°-100°	338.6	2.8
100°-110°	303.9	2.5
110°-120°	251.5	2.1
120°-130°	193.7	1.6
130°-140°	136.1	1.1
140°-150°	82.0	0.7
150°-160°	39.3	0.3
160°-170°	12.9	0.1
170°-180°	1.5	0.0
0°-30°	2674.1	22.0
0°-40°	4394.7	36.2
0°-60°	7914.5	65.1
0°-90°	10796.6	88.8
90°-120°	894.0	7.4
90°-150°	1305.7	10.7
90°-180°	1359.0	11.2
0°-180°	12156.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3415	3415	3415	3415	3415	
5°	3429	3422	3386	3415	3408	325
15°	3281	3295	3288	3330	3330	925
25°	2999	3034	3070	3133	3133	1382
35°	2612	2675	2753	2830	2851	1632
45°	2147	2246	2373	2478	2506	1655
55°	1633	1767	1929	2049	2091	1462
65°	1105	1253	1443	1577	1619	1095
75°	577	732	943	1091	1141	608
85°	127	303	514	655	704	146
90°	0	169	359	493	542	9
95°	0	162	345	472	521	0
105°	0	134	324	444	486	5
115°	7	120	275	394	444	7
125°	7	99	232	338	380	6
135°	7	77	190	275	310	5
145°	7	56	134	211	232	4
155°	7	35	84	134	155	3
165°	7	21	42	63	77	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°	3414.6	3414.6	3414.6	3414.6	3414.6
2.5°	3435.8	3428.7	3393.5	3421.7	3407.6
5°	3428.7	3421.7	3386.5	3414.6	3407.6
7.5°	3400.6	3400.6	3379.4	3407.6	3400.6
10°	3372.4	3372.4	3351.3	3386.5	3379.4
12.5°	3330.2	3337.2	3323.1	3365.4	3358.3
15°	3280.9	3295.0	3287.9	3330.2	3330.2
17.5°	3224.6	3238.6	3238.6	3287.9	3287.9
20°	3154.1	3175.3	3189.4	3245.7	3245.7
22.5°	3083.7	3111.9	3133.0	3182.3	3203.4
25°	2999.3	3034.5	3069.7	3133.0	3133.0
27.5°	2914.8	2957.0	2999.3	3062.6	3069.7
30°	2816.2	2865.5	2921.8	2985.2	2999.3
32.5°	2717.6	2781.0	2837.3	2914.8	2935.9
35°	2612.0	2675.4	2752.8	2830.3	2851.4
37.5°	2492.3	2569.8	2668.4	2752.8	2774.0
40°	2386.7	2471.2	2569.8	2668.4	2689.5
42.5°	2267.0	2358.6	2478.3	2569.8	2605.0
45°	2147.4	2245.9	2372.7	2478.3	2506.4
47.5°	2020.6	2133.3	2274.1	2372.7	2407.9
50°	1893.9	2013.6	2161.4	2274.1	2302.2
52.5°	1767.2	1893.9	2048.8	2161.4	2196.6
55°	1633.4	1767.2	1929.1	2048.8	2091.0
57.5°	1506.7	1640.4	1809.4	1936.1	1978.4
60°	1365.9	1520.8	1689.7	1816.5	1865.7
62.5°	1246.2	1387.0	1570.0	1696.8	1739.0
65°	1105.4	1253.2	1443.3	1577.1	1619.3
67.5°	971.6	1126.5	1316.6	1457.4	1499.6
70°	837.8	992.7	1196.9	1330.7	1379.9
72.5°	704.1	866.0	1063.1	1211.0	1260.3
75°	577.3	732.2	943.4	1091.3	1140.6
77.5°	443.6	612.5	823.7	971.6	1027.9
80°	323.9	499.9	711.1	858.9	915.3
82.5°	218.3	394.3	605.5	753.3	809.7
85°	126.7	302.7	514.0	654.8	704.1
87.5°	63.4	232.3	429.5	570.3	619.6
90°	0.0	169.0	359.1	492.8	542.1
92.5°	0.0	161.9	352.0	478.8	528.0
95°	0.0	161.9	345.0	471.7	521.0
97.5°	0.0	154.9	337.9	471.7	514.0
100°	0.0	147.9	337.9	464.7	506.9
102.5°	0.0	140.8	330.9	457.6	499.9
105°	0.0	133.8	323.9	443.6	485.8
107.5°	7.0	133.8	309.8	436.5	478.8
110°	7.0	126.7	295.7	429.5	471.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	7.0	119.7	281.6	415.4	457.6
115°	7.0	119.7	274.6	394.3	443.6
117.5°	7.0	112.6	260.5	380.2	429.5
120°	7.0	112.6	253.5	366.1	408.3
122.5°	7.0	105.6	239.4	352.0	394.3
125°	7.0	98.6	232.3	337.9	380.2
127.5°	7.0	91.5	225.3	323.9	366.1
130°	7.0	84.5	211.2	309.8	345.0
132.5°	7.0	84.5	204.2	288.7	330.9
135°	7.0	77.4	190.1	274.6	309.8
137.5°	7.0	70.4	176.0	260.5	295.7
140°	7.0	63.4	161.9	246.4	274.6
142.5°	7.0	63.4	147.9	225.3	253.5
145°	7.0	56.3	133.8	211.2	232.3
147.5°	7.0	49.3	119.7	190.1	211.2
150°	7.0	49.3	105.6	169.0	190.1
152.5°	7.0	42.2	91.5	154.9	176.0
155°	7.0	35.2	84.5	133.8	154.9
157.5°	7.0	35.2	70.4	112.6	133.8
160°	7.0	28.2	63.4	91.5	112.6
162.5°	7.0	28.2	56.3	77.4	98.6
165°	7.0	21.1	42.2	63.4	77.4
167.5°	7.0	21.1	35.2	49.3	63.4
170°	7.0	14.1	28.2	35.2	49.3
172.5°	7.0	14.1	21.1	21.1	21.1
175°	7.0	7.0	14.1	14.1	7.0
177.5°	7.0	7.0	7.0	7.0	7.0
180°	7.0	7.0	7.0	7.0	7.0

(END OF REPORT)