

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: P567328

Luminaire Tested: **8SNX-126SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567328
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-L940-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

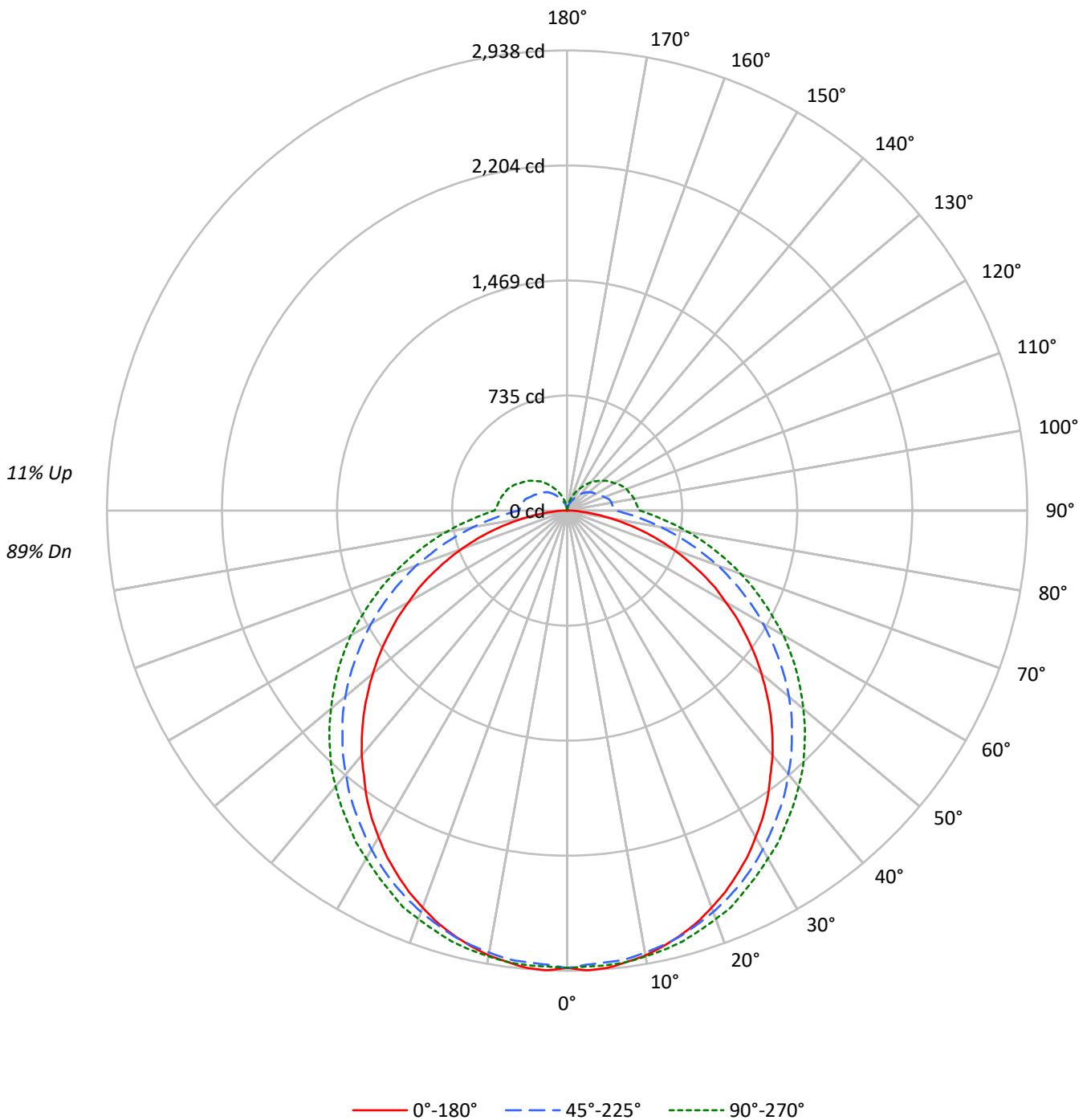
Lumens per Lamp: N/A
Luminaire Lumens: 10394.0 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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°	15714	15714	15714
5°	15810	15005	14874
10°	15701	14424	14131
15°	15544	13859	13461
20°	15330	13271	12791
25°	15082	12706	12136
30°	14787	12123	11508
35°	14463	11537	10921
40°	14092	10965	10360
45°	13690	10390	9787
50°	13230	9798	9185
55°	12726	9135	8594
60°	12133	8443	7969
65°	11521	7694	7257
70°	10663	6895	6557
75°	9524	5960	5814
80°	7675	5016	5073
85°	5406	4139	4312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.3	2.7
10°-20°	797.1	7.7
20°-30°	1212.0	11.7
30°-40°	1471.3	14.2
40°-50°	1554.7	15.0
50°-60°	1454.8	14.0
60°-70°	1193.7	11.5
70°-80°	821.0	7.9
80°-90°	449.6	4.3
90°-100°	289.5	2.8
100°-110°	259.8	2.5
110°-120°	215.0	2.1
120°-130°	165.6	1.6
130°-140°	116.4	1.1
140°-150°	70.1	0.7
150°-160°	33.6	0.3
160°-170°	11.0	0.1
170°-180°	1.3	0.0
0°-30°	2286.4	22.0
0°-40°	3757.7	36.2
0°-60°	6767.3	65.1
0°-90°	9231.6	88.8
90°-120°	764.4	7.4
90°-150°	1116.4	10.7
90°-180°	1162.0	11.2
0°-180°	10394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2920	2920	2920	2920	2920	
5°	2932	2926	2896	2920	2914	278
15°	2805	2817	2811	2848	2848	791
25°	2564	2595	2625	2679	2679	1182
35°	2233	2288	2354	2420	2438	1395
45°	1836	1920	2029	2119	2143	1415
55°	1397	1511	1650	1752	1788	1250
65°	945	1072	1234	1348	1385	936
75°	494	626	807	933	975	520
85°	108	259	440	560	602	125
90°	0	144	307	421	464	7
95°	0	138	295	403	446	0
105°	0	114	277	379	415	4
115°	6	102	235	337	379	6
125°	6	84	199	289	325	5
135°	6	66	162	235	265	5
145°	6	48	114	181	199	4
155°	6	30	72	114	132	3
165°	6	18	36	54	66	2
175°	6	6	12	12	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2919.7	2919.7	2919.7	2919.7	2919.7
2.5°	2937.8	2931.7	2901.6	2925.7	2913.7
5°	2931.7	2925.7	2895.6	2919.7	2913.7
7.5°	2907.7	2907.7	2889.6	2913.7	2907.7
10°	2883.6	2883.6	2865.5	2895.6	2889.6
12.5°	2847.5	2853.5	2841.4	2877.6	2871.5
15°	2805.3	2817.4	2811.3	2847.5	2847.5
17.5°	2757.2	2769.2	2769.2	2811.3	2811.3
20°	2697.0	2715.0	2727.1	2775.2	2775.2
22.5°	2636.8	2660.8	2678.9	2721.0	2739.1
25°	2564.5	2594.6	2624.7	2678.9	2678.9
27.5°	2492.3	2528.4	2564.5	2618.7	2624.7
30°	2408.0	2450.1	2498.3	2552.5	2564.5
32.5°	2323.7	2377.9	2426.1	2492.3	2510.3
35°	2233.4	2287.6	2353.8	2420.0	2438.1
37.5°	2131.1	2197.3	2281.6	2353.8	2371.9
40°	2040.8	2113.0	2197.3	2281.6	2299.6
42.5°	1938.4	2016.7	2119.0	2197.3	2227.4
45°	1836.1	1920.4	2028.7	2119.0	2143.1
47.5°	1727.7	1824.1	1944.5	2028.7	2058.8
50°	1619.4	1721.7	1848.1	1944.5	1968.5
52.5°	1511.0	1619.4	1751.8	1848.1	1878.2
55°	1396.6	1511.0	1649.5	1751.8	1787.9
57.5°	1288.3	1402.7	1547.1	1655.5	1691.6
60°	1167.9	1300.3	1444.8	1553.2	1595.3
62.5°	1065.5	1185.9	1342.5	1450.8	1486.9
65°	945.1	1071.6	1234.1	1348.5	1384.6
67.5°	830.8	963.2	1125.7	1246.1	1282.3
70°	716.4	848.8	1023.4	1137.8	1179.9
72.5°	602.0	740.5	909.0	1035.4	1077.6
75°	493.6	626.1	806.7	933.1	975.2
77.5°	379.3	523.7	704.3	830.8	878.9
80°	276.9	427.4	608.0	734.4	782.6
82.5°	186.6	337.1	517.7	644.1	692.3
85°	108.4	258.9	439.5	559.9	602.0
87.5°	54.2	198.7	367.2	487.6	529.8
90°	0.0	144.5	307.0	421.4	463.5
92.5°	0.0	138.5	301.0	409.4	451.5
95°	0.0	138.5	295.0	403.3	445.5
97.5°	0.0	132.4	289.0	403.3	439.5
100°	0.0	126.4	289.0	397.3	433.4
102.5°	0.0	120.4	282.9	391.3	427.4
105°	0.0	114.4	276.9	379.3	415.4
107.5°	6.0	114.4	264.9	373.2	409.4
110°	6.0	108.4	252.8	367.2	403.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.0	102.3	240.8	355.2	391.3
115°	6.0	102.3	234.8	337.1	379.3
117.5°	6.0	96.3	222.7	325.1	367.2
120°	6.0	96.3	216.7	313.0	349.2
122.5°	6.0	90.3	204.7	301.0	337.1
125°	6.0	84.3	198.7	289.0	325.1
127.5°	6.0	78.3	192.6	276.9	313.0
130°	6.0	72.2	180.6	264.9	295.0
132.5°	6.0	72.2	174.6	246.8	282.9
135°	6.0	66.2	162.5	234.8	264.9
137.5°	6.0	60.2	150.5	222.7	252.8
140°	6.0	54.2	138.5	210.7	234.8
142.5°	6.0	54.2	126.4	192.6	216.7
145°	6.0	48.2	114.4	180.6	198.7
147.5°	6.0	42.1	102.3	162.5	180.6
150°	6.0	42.1	90.3	144.5	162.5
152.5°	6.0	36.1	78.3	132.4	150.5
155°	6.0	30.1	72.2	114.4	132.4
157.5°	6.0	30.1	60.2	96.3	114.4
160°	6.0	24.1	54.2	78.3	96.3
162.5°	6.0	24.1	48.2	66.2	84.3
165°	6.0	18.1	36.1	54.2	66.2
167.5°	6.0	18.1	30.1	42.1	54.2
170°	6.0	12.0	24.1	30.1	42.1
172.5°	6.0	12.0	18.1	18.1	18.1
175°	6.0	6.0	12.0	12.0	6.0
177.5°	6.0	6.0	6.0	6.0	6.0
180°	6.0	6.0	6.0	6.0	6.0

(END OF REPORT)