

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: P567299

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-126SL-FDL-UNV-L835-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

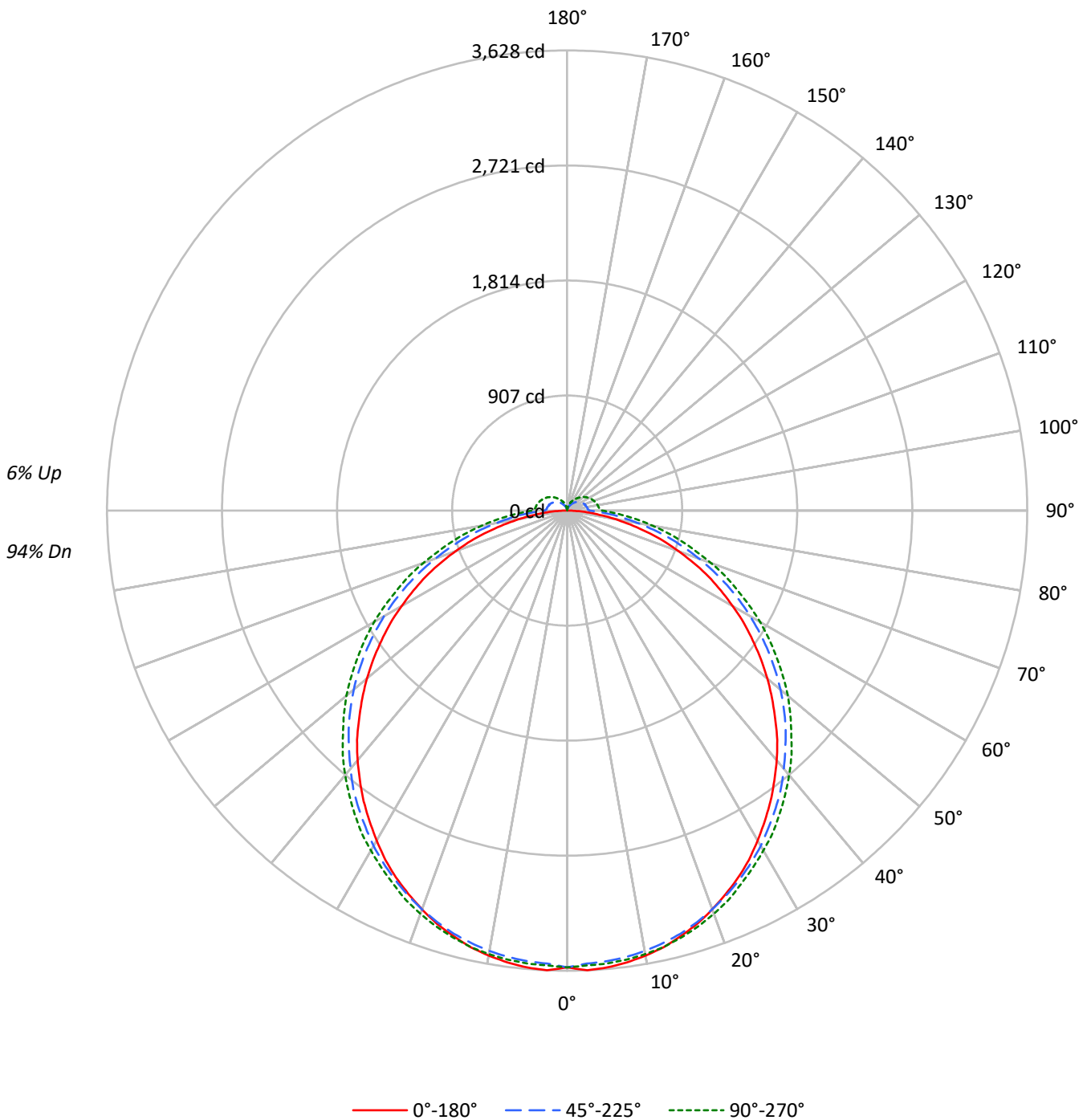
Lumens per Lamp: N/A
Luminaire Lumens: 11445.0 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 88.8
Input Voltage (V): NR
Input Current (A_{in}): 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19383	19383	19383
5°	19525	19069	19091
10°	19454	18868	18852
15°	19317	18636	18582
20°	19129	18353	18265
25°	18910	18042	17890
30°	18610	17725	17545
35°	18309	17352	17183
40°	17977	16940	16777
45°	17556	16532	16303
50°	17152	16068	15871
55°	16649	15492	15269
60°	16086	14832	14677
65°	15493	14045	13861
70°	14464	13054	13016
75°	13230	11888	12005
80°	11410	10337	10882
85°	9214	9010	9563



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.6	3.0
10°-20°	980.1	8.6
20°-30°	1485.3	13.0
30°-40°	1793.0	15.7
40°-50°	1872.4	16.4
50°-60°	1720.2	15.0
60°-70°	1360.2	11.9
70°-80°	860.9	7.5
80°-90°	370.1	3.2
90°-100°	162.9	1.4
100°-110°	145.8	1.3
110°-120°	123.1	1.1
120°-130°	96.0	0.8
130°-140°	66.4	0.6
140°-150°	39.9	0.3
150°-160°	19.5	0.2
160°-170°	6.7	0.1
170°-180°	1.0	0.0
0°-30°	2807.0	24.5
0°-40°	4600.0	40.2
0°-60°	8192.6	71.6
0°-90°	10783.8	94.2
90°-120°	431.8	3.8
90°-150°	634.0	5.5
90°-180°	661.0	5.8
0°-180°	11445.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3602	3602	3602	3602	3602	
5°	3616	3606	3567	3598	3585	343
15°	3472	3472	3454	3490	3484	979
25°	3192	3206	3210	3253	3247	1470
35°	2797	2829	2866	2910	2920	1749
45°	2319	2375	2436	2483	2499	1791
55°	1788	1861	1938	2000	2015	1599
65°	1230	1299	1390	1455	1478	1211
75°	649	726	831	902	936	687
85°	158	243	349	424	450	175
90°	10	87	178	249	276	13
95°	2	75	162	227	251	2
105°	2	69	152	213	235	2
115°	2	59	138	192	213	2
125°	4	53	116	166	184	4
135°	4	40	93	132	148	3
145°	4	30	65	99	109	3
155°	4	20	43	63	75	2
165°	6	14	22	30	43	2
175°	6	8	10	10	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3601.5	3601.5	3601.5	3601.5	3601.5
2.5°	3627.9	3615.7	3575.2	3603.6	3589.4
5°	3615.7	3605.6	3567.1	3597.5	3585.3
7.5°	3593.4	3585.3	3550.9	3583.3	3571.1
10°	3563.0	3556.9	3526.5	3559.0	3550.9
12.5°	3524.5	3522.5	3492.1	3528.6	3522.5
15°	3471.8	3471.8	3453.6	3490.1	3484.0
17.5°	3415.1	3417.1	3402.9	3441.4	3437.4
20°	3346.2	3356.3	3346.2	3386.7	3382.6
22.5°	3271.2	3285.4	3281.3	3321.8	3323.9
25°	3192.1	3206.3	3210.4	3252.9	3246.8
27.5°	3105.0	3127.3	3135.4	3173.9	3171.9
30°	3003.6	3034.0	3052.3	3084.7	3094.8
32.5°	2900.3	2936.8	2959.0	3003.6	3015.8
35°	2796.9	2829.3	2865.8	2910.4	2920.5
37.5°	2683.4	2719.9	2768.5	2811.1	2823.3
40°	2569.9	2610.4	2657.1	2703.7	2721.9
42.5°	2452.4	2494.9	2545.6	2600.3	2618.6
45°	2318.6	2375.3	2436.1	2482.8	2499.0
47.5°	2190.9	2253.7	2318.6	2369.3	2387.5
50°	2061.2	2128.1	2197.0	2243.6	2272.0
52.5°	1925.4	1998.4	2067.3	2126.1	2144.3
55°	1787.6	1860.6	1937.6	2000.4	2014.6
57.5°	1653.8	1724.8	1801.8	1860.6	1888.9
60°	1507.9	1584.9	1668.0	1726.8	1757.2
62.5°	1366.0	1441.0	1530.2	1593.0	1617.3
65°	1230.2	1299.1	1390.3	1455.2	1477.5
67.5°	1080.3	1159.3	1246.4	1321.4	1349.8
70°	932.3	1007.3	1106.6	1177.5	1205.9
72.5°	794.5	867.4	966.8	1037.7	1064.0
75°	648.6	725.6	831.0	901.9	936.4
77.5°	508.7	593.8	695.2	772.2	810.7
80°	379.0	454.0	563.4	648.6	683.0
82.5°	257.4	338.5	452.0	531.0	569.5
85°	158.1	243.2	348.6	423.6	449.9
87.5°	75.0	156.1	253.3	326.3	358.7
90°	10.1	87.2	178.4	249.3	275.6
92.5°	2.0	75.0	164.2	231.0	255.4
95°	2.0	75.0	162.1	227.0	251.3
97.5°	2.0	73.0	160.1	225.0	247.3
100°	2.0	70.9	158.1	220.9	245.2
102.5°	2.0	70.9	154.0	216.9	239.2
105°	2.0	68.9	152.0	212.8	235.1
107.5°	2.0	66.9	148.0	208.8	231.0
110°	2.0	62.8	145.9	202.7	225.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	60.8	141.9	198.6	218.9
115°	2.0	58.8	137.8	192.5	212.8
117.5°	2.0	56.7	131.7	186.5	206.7
120°	4.1	56.7	127.7	180.4	198.6
122.5°	4.1	54.7	121.6	172.3	190.5
125°	4.1	52.7	115.5	166.2	184.4
127.5°	4.1	50.7	109.4	158.1	174.3
130°	4.1	46.6	105.4	150.0	166.2
132.5°	4.1	44.6	99.3	139.8	156.1
135°	4.1	40.5	93.2	131.7	148.0
137.5°	4.1	38.5	87.2	123.6	137.8
140°	4.1	36.5	79.0	115.5	129.7
142.5°	4.1	32.4	73.0	107.4	119.6
145°	4.1	30.4	64.9	99.3	109.4
147.5°	4.1	26.3	58.8	91.2	101.3
150°	4.1	24.3	52.7	83.1	93.2
152.5°	4.1	22.3	46.6	73.0	83.1
155°	4.1	20.3	42.6	62.8	75.0
157.5°	4.1	18.2	36.5	54.7	66.9
160°	6.1	16.2	32.4	46.6	56.7
162.5°	6.1	14.2	26.3	38.5	50.7
165°	6.1	14.2	22.3	30.4	42.6
167.5°	6.1	12.2	18.2	24.3	34.5
170°	6.1	10.1	16.2	18.2	26.3
172.5°	6.1	8.1	12.2	12.2	14.2
175°	6.1	8.1	10.1	10.1	6.1
177.5°	6.1	6.1	6.1	6.1	4.1
180°	6.1	6.1	6.1	6.1	6.1

(END OF REPORT)