

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: P567298

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567298
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-L830-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

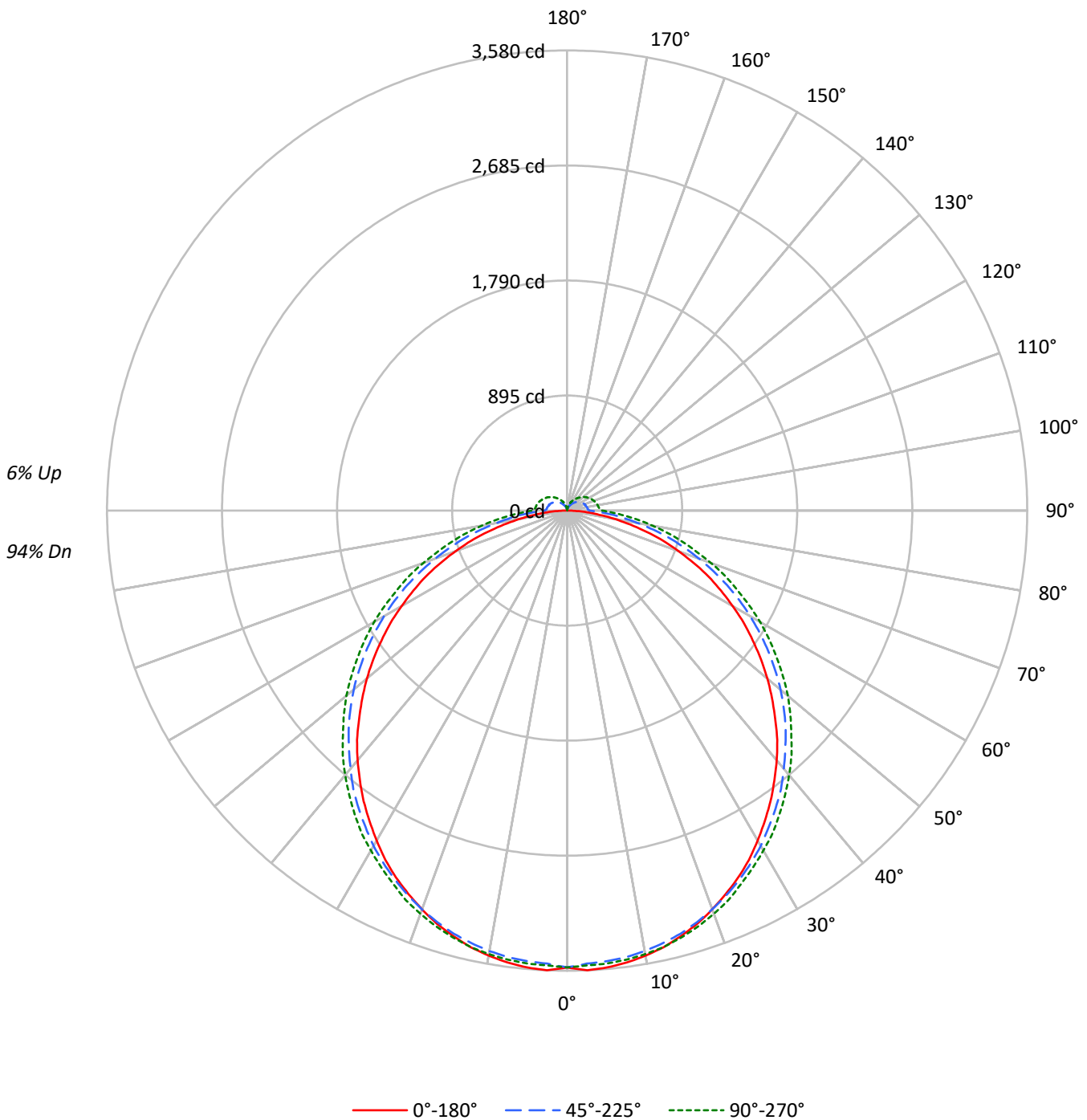
Lumens per Lamp: N/A
Luminaire Lumens: 11294.0 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 88.8
Input Voltage (V): NR
Input Current (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	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°	19127	19127	19127
5°	19267	18817	18839
10°	19197	18619	18603
15°	19062	18390	18337
20°	18876	18111	18025
25°	18660	17804	17654
30°	18365	17491	17313
35°	18068	17123	16956
40°	17740	16716	16556
45°	17324	16315	16088
50°	16925	15856	15661
55°	16430	15287	15067
60°	15874	14636	14484
65°	15289	13860	13678
70°	14273	12882	12844
75°	13055	11731	11846
80°	11259	10201	10739
85°	9092	8891	9438



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.0	3.0
10°-20°	967.2	8.6
20°-30°	1465.7	13.0
30°-40°	1769.4	15.7
40°-50°	1847.7	16.4
50°-60°	1697.4	15.0
60°-70°	1342.3	11.9
70°-80°	849.5	7.5
80°-90°	365.2	3.2
90°-100°	160.7	1.4
100°-110°	143.9	1.3
110°-120°	121.5	1.1
120°-130°	94.7	0.8
130°-140°	65.6	0.6
140°-150°	39.3	0.3
150°-160°	19.2	0.2
160°-170°	6.7	0.1
170°-180°	1.0	0.0
0°-30°	2769.9	24.5
0°-40°	4539.3	40.2
0°-60°	8084.4	71.6
0°-90°	10641.4	94.2
90°-120°	426.1	3.8
90°-150°	625.7	5.5
90°-180°	653.0	5.8
0°-180°	11294.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3554	3554	3554	3554	3554	
5°	3568	3558	3520	3550	3538	339
15°	3426	3426	3408	3444	3438	967
25°	3150	3164	3168	3210	3204	1451
35°	2760	2792	2828	2872	2882	1725
45°	2288	2344	2404	2450	2466	1767
55°	1764	1836	1912	1974	1988	1578
65°	1214	1282	1372	1436	1458	1196
75°	640	716	820	890	924	678
85°	156	240	344	418	444	172
90°	10	86	176	246	272	13
95°	2	74	160	224	248	2
105°	2	68	150	210	232	2
115°	2	58	136	190	210	2
125°	4	52	114	164	182	4
135°	4	40	92	130	146	3
145°	4	30	64	98	108	3
155°	4	20	42	62	74	2
165°	6	14	22	30	42	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°	3554	3554	3554	3554	3554
2.5°	3580	3568	3528	3556	3542
5°	3568	3558	3520	3550	3538
7.5°	3546	3538	3504	3536	3524
10°	3516	3510	3480	3512	3504
12.5°	3478	3476	3446	3482	3476
15°	3426	3426	3408	3444	3438
17.5°	3370	3372	3358	3396	3392
20°	3302	3312	3302	3342	3338
22.5°	3228	3242	3238	3278	3280
25°	3150	3164	3168	3210	3204
27.5°	3064	3086	3094	3132	3130
30°	2964	2994	3012	3044	3054
32.5°	2862	2898	2920	2964	2976
35°	2760	2792	2828	2872	2882
37.5°	2648	2684	2732	2774	2786
40°	2536	2576	2622	2668	2686
42.5°	2420	2462	2512	2566	2584
45°	2288	2344	2404	2450	2466
47.5°	2162	2224	2288	2338	2356
50°	2034	2100	2168	2214	2242
52.5°	1900	1972	2040	2098	2116
55°	1764	1836	1912	1974	1988
57.5°	1632	1702	1778	1836	1864
60°	1488	1564	1646	1704	1734
62.5°	1348	1422	1510	1572	1596
65°	1214	1282	1372	1436	1458
67.5°	1066	1144	1230	1304	1332
70°	920	994	1092	1162	1190
72.5°	784	856	954	1024	1050
75°	640	716	820	890	924
77.5°	502	586	686	762	800
80°	374	448	556	640	674
82.5°	254	334	446	524	562
85°	156	240	344	418	444
87.5°	74	154	250	322	354
90°	10	86	176	246	272
92.5°	2	74	162	228	252
95°	2	74	160	224	248
97.5°	2	72	158	222	244
100°	2	70	156	218	242
102.5°	2	70	152	214	236
105°	2	68	150	210	232
107.5°	2	66	146	206	228
110°	2	62	144	200	222



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2	60	140	196	216
115°	2	58	136	190	210
117.5°	2	56	130	184	204
120°	4	56	126	178	196
122.5°	4	54	120	170	188
125°	4	52	114	164	182
127.5°	4	50	108	156	172
130°	4	46	104	148	164
132.5°	4	44	98	138	154
135°	4	40	92	130	146
137.5°	4	38	86	122	136
140°	4	36	78	114	128
142.5°	4	32	72	106	118
145°	4	30	64	98	108
147.5°	4	26	58	90	100
150°	4	24	52	82	92
152.5°	4	22	46	72	82
155°	4	20	42	62	74
157.5°	4	18	36	54	66
160°	6	16	32	46	56
162.5°	6	14	26	38	50
165°	6	14	22	30	42
167.5°	6	12	18	24	34
170°	6	10	16	18	26
172.5°	6	8	12	12	14
175°	6	8	10	10	6
177.5°	6	6	6	6	4
180°	6	6	6	6	6

(END OF REPORT)