

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: P567755

Luminaire Tested: **8SNX-40SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567755  
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-40SL-LW-UNV-L835-CD  
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

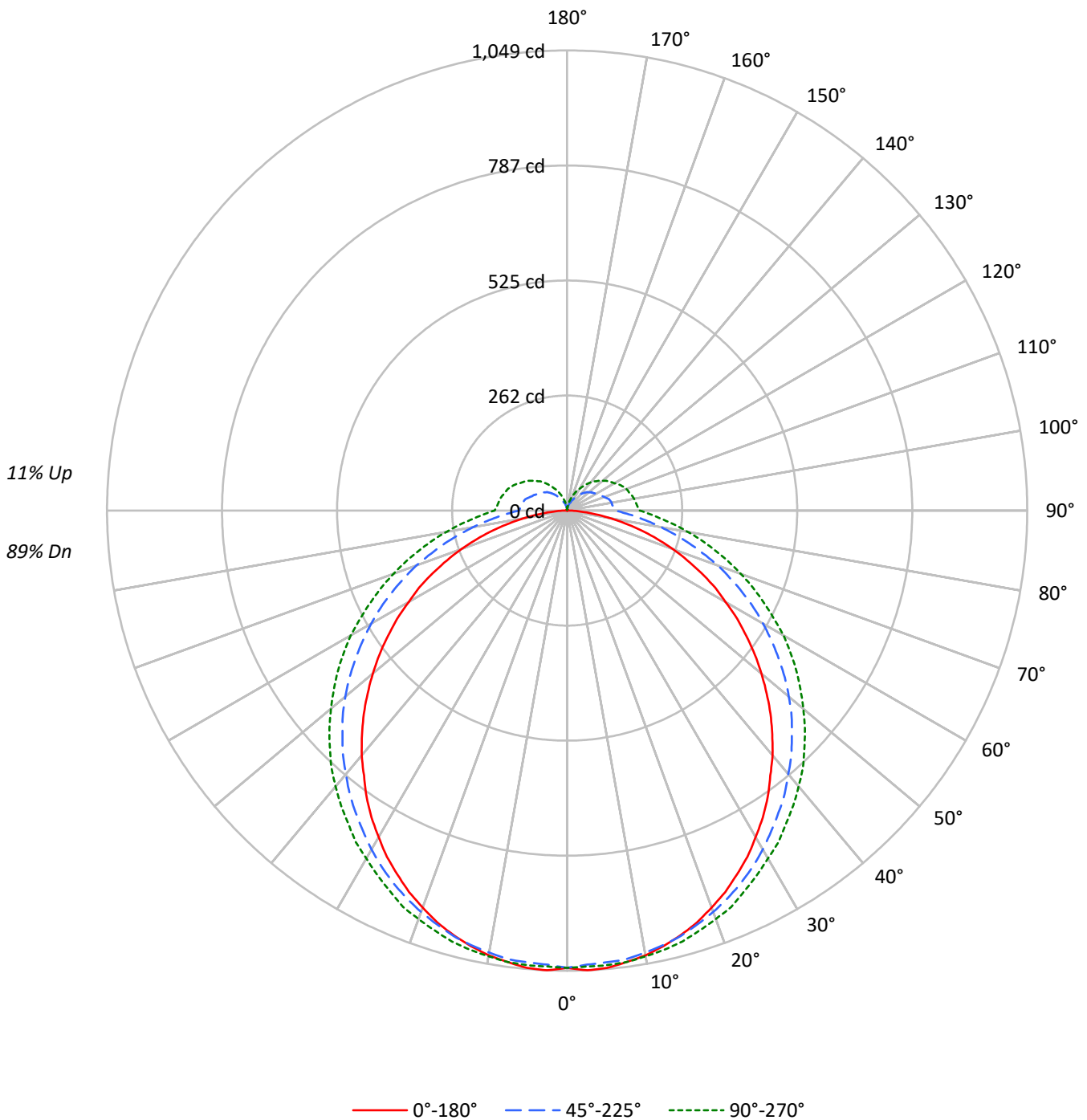
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3710.9 lumens  
Efficiency: N/A  
Efficacy: 153.3 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): 24.2  
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°	5610	5610	5610
5°	5645	5357	5310
10°	5606	5150	5045
15°	5550	4948	4806
20°	5473	4738	4567
25°	5385	4536	4333
30°	5279	4328	4109
35°	5164	4119	3899
40°	5031	3915	3699
45°	4887	3709	3494
50°	4724	3498	3279
55°	4543	3261	3069
60°	4332	3014	2845
65°	4113	2747	2591
70°	3807	2462	2341
75°	3400	2128	2076
80°	2741	1791	1811
85°	1930	1478	1539



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.0	2.7
10°-20°	284.6	7.7
20°-30°	432.7	11.7
30°-40°	525.3	14.2
40°-50°	555.1	15.0
50°-60°	519.4	14.0
60°-70°	426.2	11.5
70°-80°	293.1	7.9
80°-90°	160.5	4.3
90°-100°	103.4	2.8
100°-110°	92.8	2.5
110°-120°	76.8	2.1
120°-130°	59.1	1.6
130°-140°	41.5	1.1
140°-150°	25.0	0.7
150°-160°	12.0	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	816.3	22.0
0°-40°	1341.6	36.2
0°-60°	2416.1	65.1
0°-90°	3296.0	88.8
90°-120°	272.9	7.4
90°-150°	398.6	10.7
90°-180°	415.0	11.2
0°-180°	3710.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1042	1042	1042	1042	1042	
5°	1047	1045	1034	1042	1040	99
15°	1002	1006	1004	1017	1017	282
25°	916	926	937	956	956	422
35°	797	817	840	864	870	498
45°	656	686	724	757	765	505
55°	499	540	589	626	638	446
65°	337	383	441	482	494	334
75°	176	224	288	333	348	186
85°	39	92	157	200	215	45
90°	0	52	110	150	166	3
95°	0	49	105	144	159	0
105°	0	41	99	135	148	1
115°	2	36	84	120	135	2
125°	2	30	71	103	116	2
135°	2	24	58	84	95	2
145°	2	17	41	64	71	1
155°	2	11	26	41	47	1
165°	2	6	13	19	24	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1042.4	1042.4	1042.4	1042.4	1042.4
2.5°	1048.9	1046.7	1036.0	1044.6	1040.3
5°	1046.7	1044.6	1033.8	1042.4	1040.3
7.5°	1038.1	1038.1	1031.7	1040.3	1038.1
10°	1029.5	1029.5	1023.1	1033.8	1031.7
12.5°	1016.6	1018.8	1014.5	1027.4	1025.2
15°	1001.6	1005.9	1003.7	1016.6	1016.6
17.5°	984.4	988.7	988.7	1003.7	1003.7
20°	962.9	969.4	973.6	990.8	990.8
22.5°	941.4	950.0	956.5	971.5	977.9
25°	915.6	926.4	937.1	956.5	956.5
27.5°	889.8	902.7	915.6	935.0	937.1
30°	859.7	874.8	892.0	911.3	915.6
32.5°	829.6	849.0	866.2	889.8	896.3
35°	797.4	816.7	840.4	864.0	870.5
37.5°	760.9	784.5	814.6	840.4	846.8
40°	728.6	754.4	784.5	814.6	821.0
42.5°	692.1	720.0	756.6	784.5	795.3
45°	655.5	685.6	724.3	756.6	765.2
47.5°	616.9	651.2	694.2	724.3	735.1
50°	578.2	614.7	659.8	694.2	702.8
52.5°	539.5	578.2	625.5	659.8	670.6
55°	498.6	539.5	588.9	625.5	638.4
57.5°	460.0	500.8	552.4	591.1	604.0
60°	417.0	464.3	515.8	554.5	569.6
62.5°	380.4	423.4	479.3	518.0	530.9
65°	337.4	382.6	440.6	481.5	494.3
67.5°	296.6	343.9	401.9	444.9	457.8
70°	255.8	303.1	365.4	406.2	421.3
72.5°	214.9	264.4	324.5	369.7	384.7
75°	176.2	223.5	288.0	333.1	348.2
77.5°	135.4	187.0	251.5	296.6	313.8
80°	98.9	152.6	217.1	262.2	279.4
82.5°	66.6	120.4	184.8	230.0	247.2
85°	38.7	92.4	156.9	199.9	214.9
87.5°	19.3	70.9	131.1	174.1	189.1
90°	0.0	51.6	109.6	150.5	165.5
92.5°	0.0	49.4	107.5	146.2	161.2
95°	0.0	49.4	105.3	144.0	159.1
97.5°	0.0	47.3	103.2	144.0	156.9
100°	0.0	45.1	103.2	141.9	154.8
102.5°	0.0	43.0	101.0	139.7	152.6
105°	0.0	40.8	98.9	135.4	148.3
107.5°	2.1	40.8	94.6	133.3	146.2
110°	2.1	38.7	90.3	131.1	144.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	36.5	86.0	126.8	139.7
115°	2.1	36.5	83.8	120.4	135.4
117.5°	2.1	34.4	79.5	116.1	131.1
120°	2.1	34.4	77.4	111.8	124.7
122.5°	2.1	32.2	73.1	107.5	120.4
125°	2.1	30.1	70.9	103.2	116.1
127.5°	2.1	27.9	68.8	98.9	111.8
130°	2.1	25.8	64.5	94.6	105.3
132.5°	2.1	25.8	62.3	88.1	101.0
135°	2.1	23.6	58.0	83.8	94.6
137.5°	2.1	21.5	53.7	79.5	90.3
140°	2.1	19.3	49.4	75.2	83.8
142.5°	2.1	19.3	45.1	68.8	77.4
145°	2.1	17.2	40.8	64.5	70.9
147.5°	2.1	15.0	36.5	58.0	64.5
150°	2.1	15.0	32.2	51.6	58.0
152.5°	2.1	12.9	27.9	47.3	53.7
155°	2.1	10.7	25.8	40.8	47.3
157.5°	2.1	10.7	21.5	34.4	40.8
160°	2.1	8.6	19.3	27.9	34.4
162.5°	2.1	8.6	17.2	23.6	30.1
165°	2.1	6.4	12.9	19.3	23.6
167.5°	2.1	6.4	10.7	15.0	19.3
170°	2.1	4.3	8.6	10.7	15.0
172.5°	2.1	4.3	6.4	6.4	6.4
175°	2.1	2.1	4.3	4.3	2.1
177.5°	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)