

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: P565715

Luminaire Tested: **2SNX-40HL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565715  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-40HL-LW-UNV-L835-CD  
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

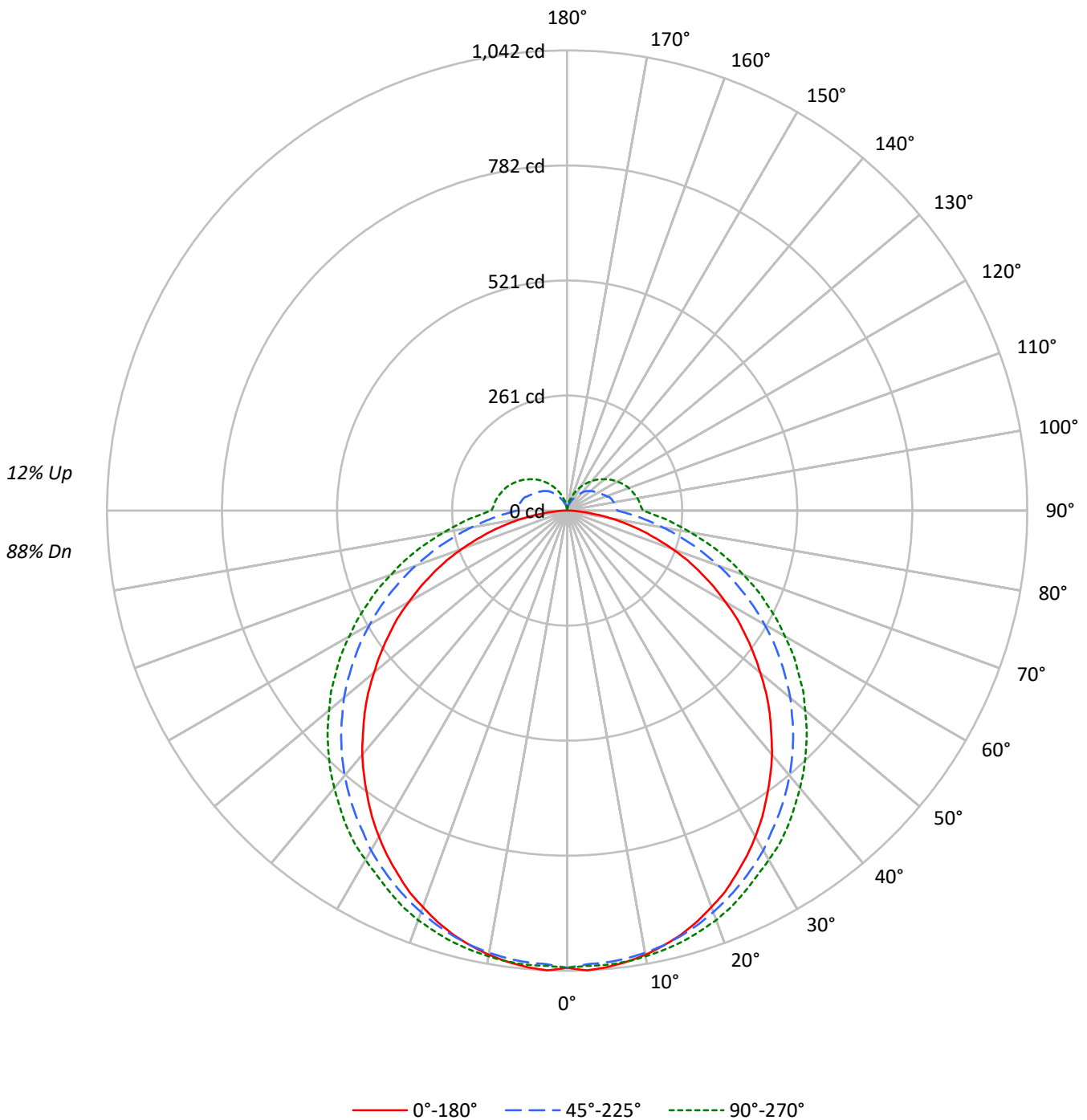
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3727.0 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 27.55  
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	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	22286	22286	22286
5°	22265	21207	21087
10°	22000	20324	20050
15°	21678	19454	19104
20°	21243	18581	18191
25°	20752	17734	17254
30°	20224	16907	16393
35°	19590	16048	15620
40°	18959	15243	14779
45°	18222	14399	13978
50°	17384	13530	13126
55°	16549	12581	12284
60°	15584	11587	11376
65°	14425	10510	10436
70°	12978	9353	9420
75°	11014	8091	8446
80°	8385	6830	7331
85°	4845	5624	6401



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.3	2.6
10°-20°	282.7	7.6
20°-30°	430.1	11.5
30°-40°	522.9	14.0
40°-50°	553.2	14.8
50°-60°	518.6	13.9
60°-70°	426.6	11.4
70°-80°	295.2	7.9
80°-90°	164.1	4.4
90°-100°	108.1	2.9
100°-110°	97.0	2.6
110°-120°	80.3	2.2
120°-130°	62.0	1.7
130°-140°	43.9	1.2
140°-150°	26.5	0.7
150°-160°	12.7	0.3
160°-170°	4.2	0.1
170°-180°	0.5	0.0
0°-30°	811.1	21.8
0°-40°	1334.0	35.8
0°-60°	2405.8	64.6
0°-90°	3291.8	88.3
90°-120°	285.4	7.7
90°-150°	417.8	11.2
90°-180°	435.0	11.7
0°-180°	3727.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1035	1035	1035	1035	1035	
5°	1038	1036	1027	1035	1033	99
15°	994	998	997	1010	1010	280
25°	908	920	931	952	952	418
35°	789	810	837	864	872	494
45°	648	682	724	756	765	500
55°	493	537	589	626	639	442
65°	334	382	441	484	498	331
75°	174	224	290	336	354	184
85°	38	95	161	206	223	44
90°	1	54	114	156	172	3
95°	1	51	110	151	166	0
105°	1	44	103	142	155	1
115°	1	38	87	126	140	1
125°	1	32	75	108	121	1
135°	1	26	62	89	100	1
145°	1	18	43	67	75	1
155°	2	13	27	43	50	1
165°	2	8	15	20	26	1
175°	2	3	4	4	3	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1035.2	1035.2	1035.2	1035.2	1035.2
2.5°	1042.2	1039.0	1028.2	1035.2	1032.0
5°	1037.8	1035.9	1026.9	1035.2	1032.7
7.5°	1030.7	1030.1	1023.1	1032.7	1030.1
10°	1021.2	1022.5	1016.7	1026.9	1025.0
12.5°	1009.0	1011.0	1008.4	1019.9	1018.6
15°	994.4	997.6	996.9	1010.3	1010.3
17.5°	976.5	981.0	983.5	998.8	998.8
20°	955.4	962.5	967.6	984.2	986.7
22.5°	934.4	942.7	950.3	967.6	971.4
25°	907.6	920.3	931.2	951.6	952.2
27.5°	881.4	895.4	910.1	929.9	931.8
30°	852.7	870.6	888.4	907.6	913.3
32.5°	822.0	841.8	861.6	887.1	894.8
35°	788.9	809.9	837.4	864.2	871.8
37.5°	755.7	779.3	811.2	838.6	845.7
40°	721.8	748.0	783.8	811.8	820.1
42.5°	684.2	716.1	754.4	784.4	794.0
45°	648.4	682.3	723.8	756.3	765.2
47.5°	610.8	646.5	691.2	725.7	735.9
50°	570.6	611.4	659.3	693.8	703.3
52.5°	532.9	574.4	624.8	660.6	674.0
55°	493.4	537.4	589.1	626.1	638.9
57.5°	456.3	498.5	554.0	591.0	607.0
60°	414.2	460.8	516.3	556.5	569.3
62.5°	374.6	421.9	479.3	520.8	535.5
65°	333.8	381.7	441.0	484.4	497.8
67.5°	295.5	342.7	403.4	446.1	463.4
70°	253.4	303.2	365.1	409.1	423.8
72.5°	211.9	263.6	326.8	374.0	390.6
75°	173.6	224.0	289.8	335.7	354.2
77.5°	136.6	187.6	254.0	301.2	317.2
80°	99.6	153.2	220.8	267.4	282.7
82.5°	65.7	121.9	188.9	235.5	252.1
85°	38.3	95.1	160.8	205.5	223.4
87.5°	16.6	72.1	134.7	178.7	193.4
90°	0.6	53.6	113.6	156.4	171.7
92.5°	0.6	52.3	111.1	153.2	167.9
95°	0.6	51.1	110.4	151.3	165.9
97.5°	0.6	50.4	109.1	150.0	164.0
100°	0.6	48.5	107.2	147.4	161.5
102.5°	0.6	46.0	105.3	144.9	158.3
105°	0.6	44.0	103.4	142.3	155.1
107.5°	0.6	42.1	100.2	139.1	151.9
110°	0.6	40.2	95.1	135.9	148.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	39.6	91.3	131.5	144.9
115°	1.3	38.3	87.4	126.4	140.4
117.5°	1.3	37.7	84.2	121.3	135.9
120°	1.3	35.7	81.1	116.8	130.8
122.5°	1.3	33.8	77.9	112.3	126.4
125°	1.3	32.5	74.7	107.9	121.3
127.5°	1.3	30.6	72.1	103.4	115.5
130°	1.3	29.4	68.9	98.3	110.4
132.5°	1.3	27.4	65.7	93.2	104.7
135°	1.3	25.5	62.5	88.7	99.6
137.5°	1.3	23.0	58.7	83.6	93.8
140°	1.3	21.1	53.6	78.5	88.1
142.5°	1.3	19.8	48.5	72.8	81.7
145°	1.3	18.5	43.4	67.0	75.3
147.5°	1.3	17.2	38.9	61.3	68.9
150°	1.3	15.3	34.5	56.2	62.5
152.5°	1.9	14.0	30.6	49.8	56.2
155°	1.9	12.8	26.8	42.8	49.8
157.5°	1.9	11.5	23.0	35.7	43.4
160°	1.9	10.2	19.8	29.4	37.0
162.5°	1.9	9.6	17.2	24.3	31.3
165°	1.9	8.3	14.7	19.8	25.5
167.5°	1.9	6.4	12.1	15.3	21.1
170°	1.9	5.1	9.6	10.8	16.0
172.5°	1.9	3.8	7.0	7.7	8.3
175°	1.9	3.2	4.5	4.5	2.6
177.5°	1.9	2.6	2.6	2.6	1.3
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)