

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: P567734

Luminaire Tested: **8SNX-40SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567734
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-40SL-FDL-UNV-L930-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

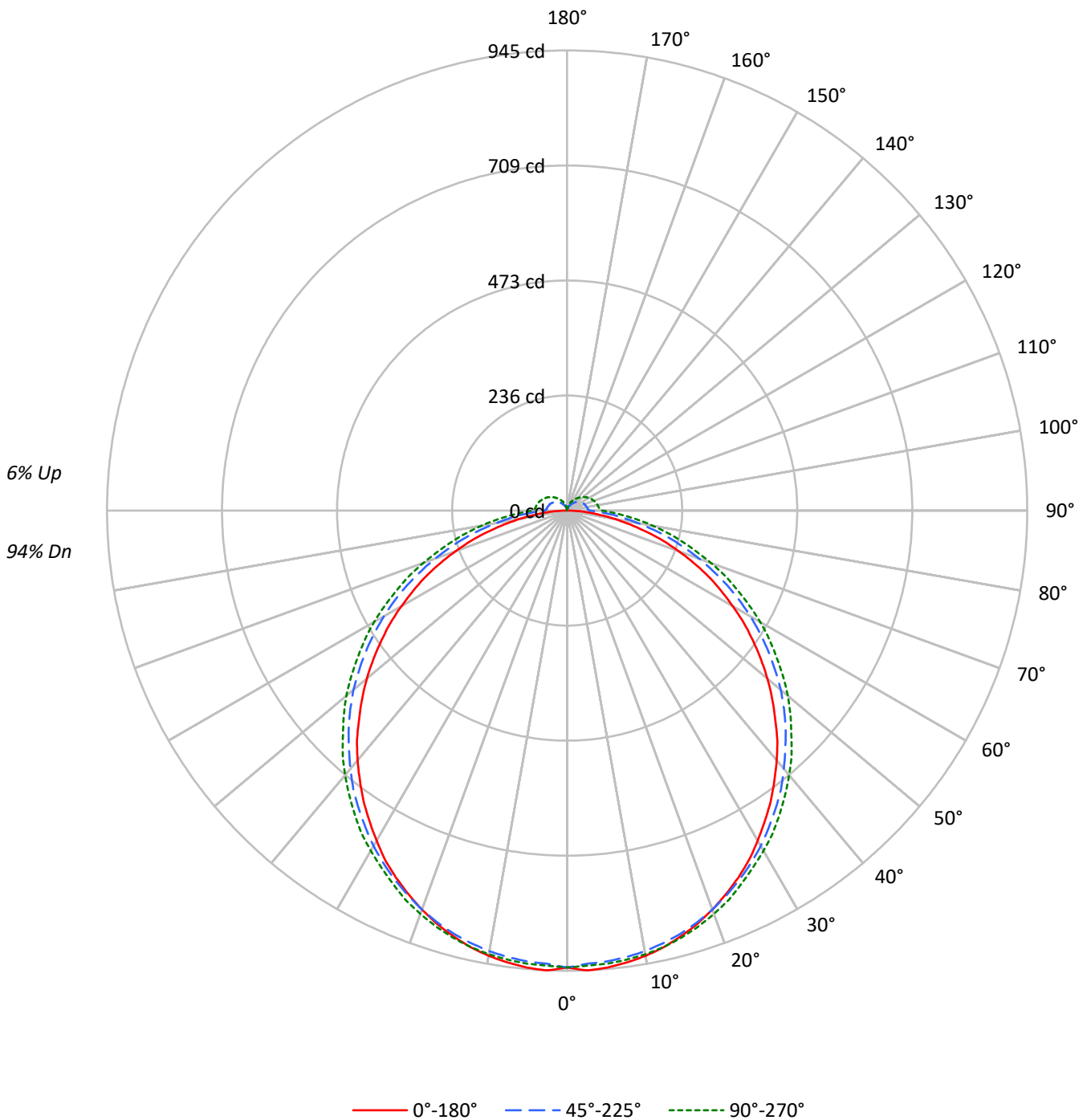
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2982.0 lumens
Efficiency: N/A
Efficacy: 123.2 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): 24.2
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	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°	5050	5050	5050
5°	5087	4968	4974
10°	5068	4916	4912
15°	5033	4855	4842
20°	4984	4782	4759
25°	4927	4701	4662
30°	4849	4618	4572
35°	4770	4521	4477
40°	4684	4414	4371
45°	4574	4307	4248
50°	4468	4186	4135
55°	4338	4036	3978
60°	4191	3865	3824
65°	4036	3660	3612
70°	3768	3401	3391
75°	3447	3097	3128
80°	2971	2693	2836
85°	2401	2347	2491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	3.0
10°-20°	255.4	8.6
20°-30°	387.0	13.0
30°-40°	467.2	15.7
40°-50°	487.9	16.4
50°-60°	448.2	15.0
60°-70°	354.4	11.9
70°-80°	224.3	7.5
80°-90°	96.4	3.2
90°-100°	42.4	1.4
100°-110°	38.0	1.3
110°-120°	32.1	1.1
120°-130°	25.0	0.8
130°-140°	17.3	0.6
140°-150°	10.4	0.3
150°-160°	5.1	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	731.4	24.5
0°-40°	1198.5	40.2
0°-60°	2134.6	71.6
0°-90°	2809.7	94.2
90°-120°	112.5	3.8
90°-150°	165.2	5.5
90°-180°	172.0	5.8
0°-180°	2982.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	938	938	938	938	938	
5°	942	939	929	937	934	89
15°	905	905	900	909	908	255
25°	832	835	836	848	846	383
35°	729	737	747	758	761	456
45°	604	619	635	647	651	467
55°	466	485	505	521	525	417
65°	320	338	362	379	385	316
75°	169	189	216	235	244	179
85°	41	63	91	110	117	46
90°	3	23	46	65	72	3
95°	0	20	42	59	66	0
105°	0	18	40	55	61	1
115°	0	15	36	50	55	1
125°	1	14	30	43	48	1
135°	1	11	24	34	38	1
145°	1	8	17	26	28	1
155°	1	5	11	16	20	1
165°	2	4	6	8	11	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	938.4	938.4	938.4	938.4	938.4
2.5°	945.2	942.1	931.5	938.9	935.2
5°	942.1	939.4	929.4	937.3	934.2
7.5°	936.3	934.2	925.2	933.6	930.5
10°	928.3	926.8	918.8	927.3	925.2
12.5°	918.3	917.8	909.9	919.4	917.8
15°	904.6	904.6	899.8	909.3	907.8
17.5°	889.8	890.3	886.6	896.7	895.6
20°	871.8	874.5	871.8	882.4	881.3
22.5°	852.3	856.0	854.9	865.5	866.0
25°	831.7	835.4	836.5	847.6	846.0
27.5°	809.0	814.8	816.9	827.0	826.4
30°	782.6	790.5	795.3	803.7	806.4
32.5°	755.7	765.2	771.0	782.6	785.8
35°	728.7	737.2	746.7	758.3	760.9
37.5°	699.2	708.7	721.3	732.4	735.6
40°	669.6	680.2	692.3	704.4	709.2
42.5°	639.0	650.1	663.3	677.5	682.3
45°	604.1	618.9	634.7	646.9	651.1
47.5°	570.8	587.2	604.1	617.3	622.1
50°	537.0	554.5	572.4	584.6	592.0
52.5°	501.7	520.7	538.6	553.9	558.7
55°	465.8	484.8	504.8	521.2	524.9
57.5°	430.9	449.4	469.5	484.8	492.2
60°	392.9	413.0	434.6	449.9	457.8
62.5°	355.9	375.5	398.7	415.1	421.4
65°	320.5	338.5	362.3	379.2	385.0
67.5°	281.5	302.1	324.8	344.3	351.7
70°	242.9	262.5	288.3	306.8	314.2
72.5°	207.0	226.0	251.9	270.4	277.2
75°	169.0	189.0	216.5	235.0	244.0
77.5°	132.5	154.7	181.1	201.2	211.2
80°	98.7	118.3	146.8	169.0	178.0
82.5°	67.1	88.2	117.8	138.4	148.4
85°	41.2	63.4	90.8	110.4	117.2
87.5°	19.5	40.7	66.0	85.0	93.5
90°	2.6	22.7	46.5	65.0	71.8
92.5°	0.5	19.5	42.8	60.2	66.5
95°	0.5	19.5	42.2	59.1	65.5
97.5°	0.5	19.0	41.7	58.6	64.4
100°	0.5	18.5	41.2	57.6	63.9
102.5°	0.5	18.5	40.1	56.5	62.3
105°	0.5	18.0	39.6	55.4	61.3
107.5°	0.5	17.4	38.5	54.4	60.2
110°	0.5	16.4	38.0	52.8	58.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	15.8	37.0	51.8	57.0
115°	0.5	15.3	35.9	50.2	55.4
117.5°	0.5	14.8	34.3	48.6	53.9
120°	1.1	14.8	33.3	47.0	51.8
122.5°	1.1	14.3	31.7	44.9	49.6
125°	1.1	13.7	30.1	43.3	48.1
127.5°	1.1	13.2	28.5	41.2	45.4
130°	1.1	12.1	27.5	39.1	43.3
132.5°	1.1	11.6	25.9	36.4	40.7
135°	1.1	10.6	24.3	34.3	38.5
137.5°	1.1	10.0	22.7	32.2	35.9
140°	1.1	9.5	20.6	30.1	33.8
142.5°	1.1	8.4	19.0	28.0	31.2
145°	1.1	7.9	16.9	25.9	28.5
147.5°	1.1	6.9	15.3	23.8	26.4
150°	1.1	6.3	13.7	21.7	24.3
152.5°	1.1	5.8	12.1	19.0	21.7
155°	1.1	5.3	11.1	16.4	19.5
157.5°	1.1	4.8	9.5	14.3	17.4
160°	1.6	4.2	8.4	12.1	14.8
162.5°	1.6	3.7	6.9	10.0	13.2
165°	1.6	3.7	5.8	7.9	11.1
167.5°	1.6	3.2	4.8	6.3	9.0
170°	1.6	2.6	4.2	4.8	6.9
172.5°	1.6	2.1	3.2	3.2	3.7
175°	1.6	2.1	2.6	2.6	1.6
177.5°	1.6	1.6	1.6	1.6	1.1
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)