

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: P567731

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567731
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-L835-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

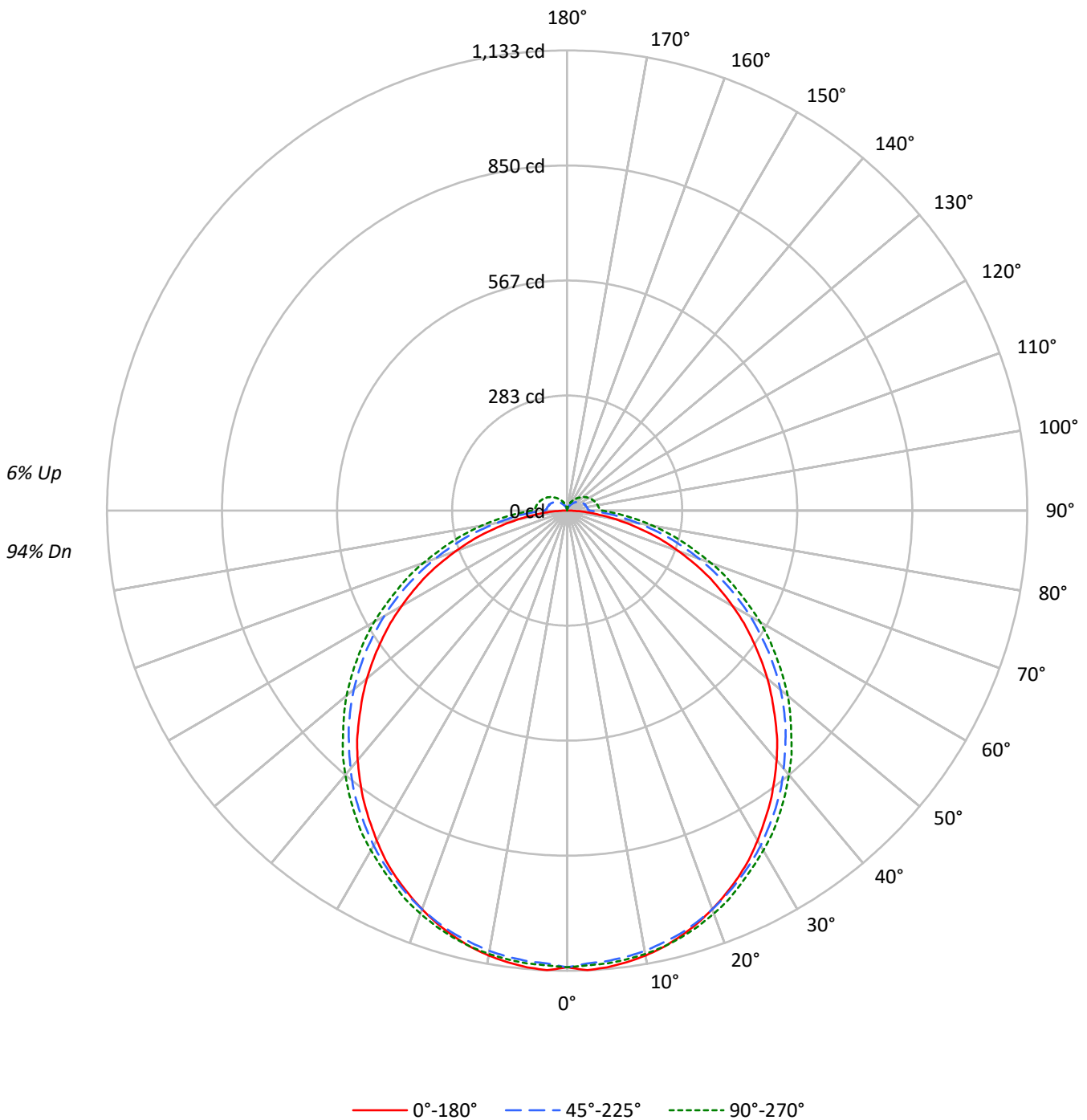
Lumens per Lamp: N/A
Luminaire Lumens: 3573.0 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 24.2
Input Voltage (V): NR
Input Current (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°	6051	6051	6051
5°	6096	5953	5960
10°	6073	5890	5885
15°	6031	5818	5801
20°	5971	5729	5702
25°	5903	5632	5585
30°	5810	5534	5477
35°	5716	5417	5365
40°	5612	5288	5238
45°	5480	5161	5090
50°	5355	5016	4955
55°	5198	4836	4767
60°	5021	4630	4582
65°	4837	4385	4328
70°	4516	4076	4064
75°	4131	3711	3747
80°	3561	3227	3397
85°	2879	2812	2987



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	3.0
10°-20°	306.0	8.6
20°-30°	463.7	13.0
30°-40°	559.8	15.7
40°-50°	584.5	16.4
50°-60°	537.0	15.0
60°-70°	424.7	11.9
70°-80°	268.8	7.5
80°-90°	115.5	3.2
90°-100°	50.8	1.4
100°-110°	45.5	1.3
110°-120°	38.4	1.1
120°-130°	30.0	0.8
130°-140°	20.8	0.6
140°-150°	12.4	0.3
150°-160°	6.1	0.2
160°-170°	2.1	0.1
170°-180°	0.3	0.0
0°-30°	876.3	24.5
0°-40°	1436.1	40.2
0°-60°	2557.6	71.6
0°-90°	3366.6	94.2
90°-120°	134.8	3.8
90°-150°	198.0	5.5
90°-180°	206.0	5.8
0°-180°	3573.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1124	1124	1124	1124	1124	
5°	1129	1126	1114	1123	1119	107
15°	1084	1084	1078	1090	1088	306
25°	996	1001	1002	1016	1014	459
35°	873	883	895	909	912	546
45°	724	742	760	775	780	559
55°	558	581	605	624	629	499
65°	384	406	434	454	461	378
75°	202	226	259	282	292	215
85°	49	76	109	132	140	55
90°	3	27	56	78	86	4
95°	1	23	51	71	78	0
105°	1	22	48	66	73	1
115°	1	18	43	60	66	1
125°	1	16	36	52	58	1
135°	1	13	29	41	46	1
145°	1	10	20	31	34	1
155°	1	6	13	20	23	1
165°	2	4	7	10	13	1
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°	1124.4	1124.4	1124.4	1124.4	1124.4
2.5°	1132.6	1128.8	1116.1	1125.0	1120.6
5°	1128.8	1125.6	1113.6	1123.1	1119.3
7.5°	1121.8	1119.3	1108.5	1118.7	1114.9
10°	1112.3	1110.4	1100.9	1111.1	1108.5
12.5°	1100.3	1099.7	1090.2	1101.6	1099.7
15°	1083.9	1083.9	1078.2	1089.6	1087.7
17.5°	1066.1	1066.8	1062.3	1074.4	1073.1
20°	1044.6	1047.8	1044.6	1057.3	1056.0
22.5°	1021.2	1025.7	1024.4	1037.0	1037.7
25°	996.5	1001.0	1002.2	1015.5	1013.6
27.5°	969.3	976.3	978.8	990.9	990.2
30°	937.7	947.2	952.9	963.0	966.2
32.5°	905.4	916.8	923.8	937.7	941.5
35°	873.2	883.3	894.7	908.6	911.8
37.5°	837.7	849.1	864.3	877.6	881.4
40°	802.3	815.0	829.5	844.1	849.8
42.5°	765.6	778.9	794.7	811.8	817.5
45°	723.8	741.6	760.5	775.1	780.2
47.5°	684.0	703.6	723.8	739.7	745.4
50°	643.5	664.4	685.9	700.4	709.3
52.5°	601.1	623.9	645.4	663.7	669.4
55°	558.1	580.8	604.9	624.5	628.9
57.5°	516.3	538.5	562.5	580.8	589.7
60°	470.7	494.8	520.7	539.1	548.6
62.5°	426.5	449.9	477.7	497.3	504.9
65°	384.1	405.6	434.1	454.3	461.3
67.5°	337.2	361.9	389.1	412.5	421.4
70°	291.1	314.5	345.5	367.6	376.5
72.5°	248.0	270.8	301.8	324.0	332.2
75°	202.5	226.5	259.4	281.6	292.3
77.5°	158.8	185.4	217.0	241.1	253.1
80°	118.3	141.7	175.9	202.5	213.2
82.5°	80.4	105.7	141.1	165.8	177.8
85°	49.4	75.9	108.8	132.2	140.5
87.5°	23.4	48.7	79.1	101.9	112.0
90°	3.2	27.2	55.7	77.8	86.1
92.5°	0.6	23.4	51.3	72.1	79.7
95°	0.6	23.4	50.6	70.9	78.5
97.5°	0.6	22.8	50.0	70.2	77.2
100°	0.6	22.1	49.4	69.0	76.6
102.5°	0.6	22.1	48.1	67.7	74.7
105°	0.6	21.5	47.5	66.4	73.4
107.5°	0.6	20.9	46.2	65.2	72.1
110°	0.6	19.6	45.6	63.3	70.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	19.0	44.3	62.0	68.3
115°	0.6	18.3	43.0	60.1	66.4
117.5°	0.6	17.7	41.1	58.2	64.5
120°	1.3	17.7	39.9	56.3	62.0
122.5°	1.3	17.1	38.0	53.8	59.5
125°	1.3	16.5	36.1	51.9	57.6
127.5°	1.3	15.8	34.2	49.4	54.4
130°	1.3	14.6	32.9	46.8	51.9
132.5°	1.3	13.9	31.0	43.7	48.7
135°	1.3	12.7	29.1	41.1	46.2
137.5°	1.3	12.0	27.2	38.6	43.0
140°	1.3	11.4	24.7	36.1	40.5
142.5°	1.3	10.1	22.8	33.5	37.3
145°	1.3	9.5	20.2	31.0	34.2
147.5°	1.3	8.2	18.3	28.5	31.6
150°	1.3	7.6	16.5	25.9	29.1
152.5°	1.3	7.0	14.6	22.8	25.9
155°	1.3	6.3	13.3	19.6	23.4
157.5°	1.3	5.7	11.4	17.1	20.9
160°	1.9	5.1	10.1	14.6	17.7
162.5°	1.9	4.4	8.2	12.0	15.8
165°	1.9	4.4	7.0	9.5	13.3
167.5°	1.9	3.8	5.7	7.6	10.8
170°	1.9	3.2	5.1	5.7	8.2
172.5°	1.9	2.5	3.8	3.8	4.4
175°	1.9	2.5	3.2	3.2	1.9
177.5°	1.9	1.9	1.9	1.9	1.3
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)