

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: P567757

Luminaire Tested: **8SNX-40SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567757
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-L850-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

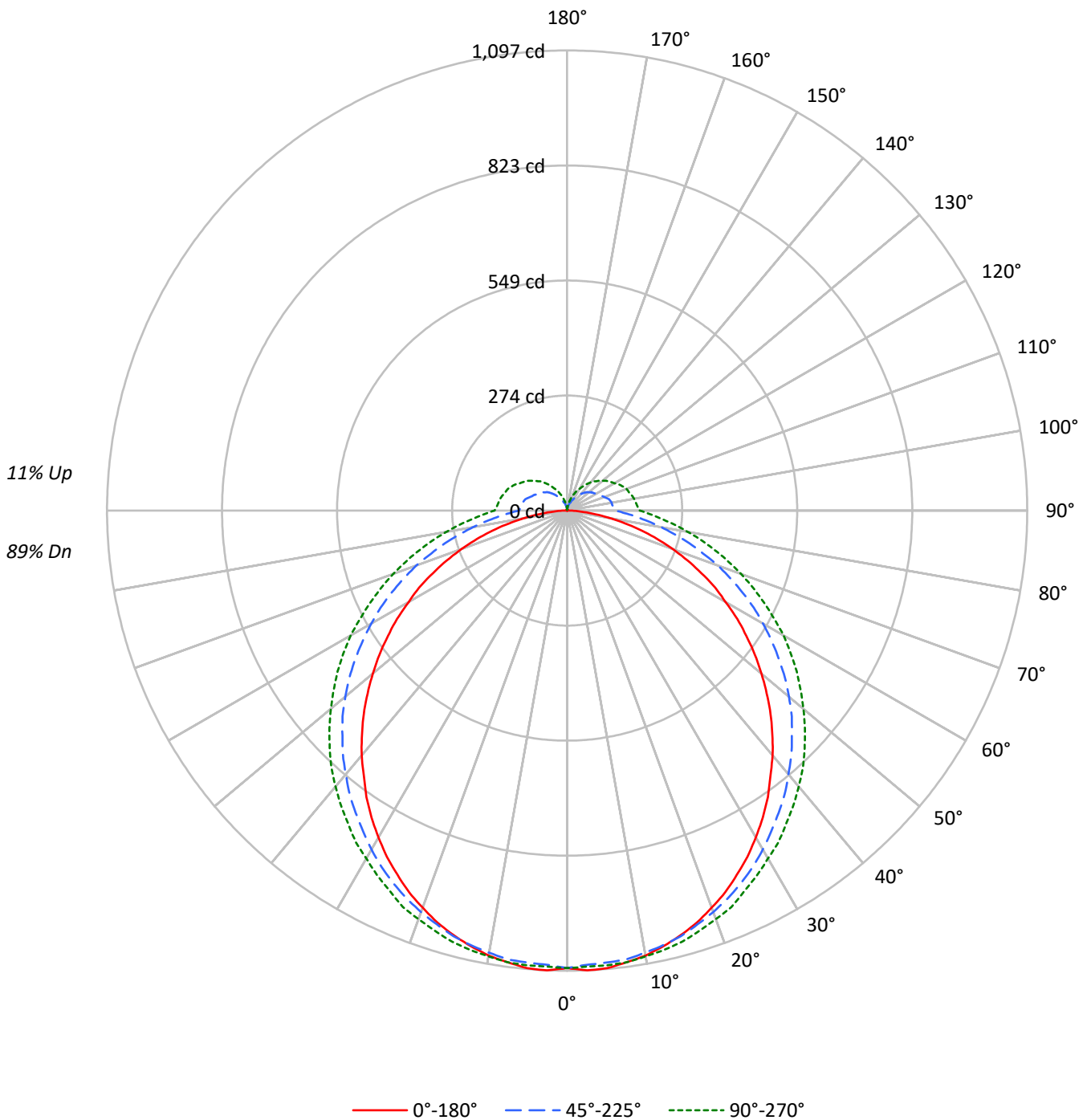
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3881.9 lumens
Efficiency: N/A
Efficacy: 160.4 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 (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	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°	5869	5869	5869
5°	5905	5604	5555
10°	5864	5387	5277
15°	5805	5176	5028
20°	5726	4956	4777
25°	5633	4746	4532
30°	5523	4528	4298
35°	5401	4309	4079
40°	5263	4095	3870
45°	5113	3881	3655
50°	4941	3660	3430
55°	4753	3412	3210
60°	4532	3153	2976
65°	4303	2874	2710
70°	3983	2575	2449
75°	3558	2226	2171
80°	2866	1873	1895
85°	2020	1546	1610



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.6	2.7
10°-20°	297.7	7.7
20°-30°	452.7	11.7
30°-40°	549.5	14.2
40°-50°	580.7	15.0
50°-60°	543.4	14.0
60°-70°	445.8	11.5
70°-80°	306.6	7.9
80°-90°	167.9	4.3
90°-100°	108.1	2.8
100°-110°	97.0	2.5
110°-120°	80.3	2.1
120°-130°	61.8	1.6
130°-140°	43.5	1.1
140°-150°	26.2	0.7
150°-160°	12.5	0.3
160°-170°	4.1	0.1
170°-180°	0.5	0.0
0°-30°	854.0	22.0
0°-40°	1403.5	36.2
0°-60°	2527.5	65.1
0°-90°	3447.9	88.8
90°-120°	285.5	7.4
90°-150°	416.9	10.7
90°-180°	434.0	11.2
0°-180°	3881.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1095	1093	1082	1090	1088	104
15°	1048	1052	1050	1064	1064	295
25°	958	969	980	1000	1000	441
35°	834	854	879	904	911	521
45°	686	717	758	791	800	529
55°	522	564	616	654	668	467
65°	353	400	461	504	517	350
75°	184	234	301	348	364	194
85°	40	97	164	209	225	47
90°	0	54	115	157	173	3
95°	0	52	110	151	166	0
105°	0	43	103	142	155	1
115°	2	38	88	126	142	2
125°	2	32	74	108	121	2
135°	2	25	61	88	99	2
145°	2	18	43	68	74	1
155°	2	11	27	43	50	1
165°	2	7	14	20	25	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°	1090.5	1090.5	1090.5	1090.5	1090.5
2.5°	1097.2	1095.0	1083.7	1092.7	1088.2
5°	1095.0	1092.7	1081.5	1090.5	1088.2
7.5°	1086.0	1086.0	1079.2	1088.2	1086.0
10°	1077.0	1077.0	1070.2	1081.5	1079.2
12.5°	1063.5	1065.7	1061.2	1074.7	1072.5
15°	1047.7	1052.2	1050.0	1063.5	1063.5
17.5°	1029.8	1034.3	1034.3	1050.0	1050.0
20°	1007.3	1014.0	1018.5	1036.5	1036.5
22.5°	984.8	993.8	1000.5	1016.3	1023.0
25°	957.8	969.1	980.3	1000.5	1000.5
27.5°	930.8	944.3	957.8	978.0	980.3
30°	899.4	915.1	933.1	953.3	957.8
32.5°	867.9	888.1	906.1	930.8	937.6
35°	834.1	854.4	879.1	903.8	910.6
37.5°	795.9	820.7	852.1	879.1	885.9
40°	762.2	789.2	820.7	852.1	858.9
42.5°	724.0	753.2	791.4	820.7	831.9
45°	685.8	717.2	757.7	791.4	800.4
47.5°	645.3	681.3	726.2	757.7	768.9
50°	604.8	643.0	690.3	726.2	735.2
52.5°	564.3	604.8	654.3	690.3	701.5
55°	521.6	564.3	616.1	654.3	667.8
57.5°	481.2	523.9	577.8	618.3	631.8
60°	436.2	485.6	539.6	580.1	595.8
62.5°	398.0	442.9	501.4	541.9	555.3
65°	353.0	400.2	460.9	503.6	517.1
67.5°	310.3	359.7	420.4	465.4	478.9
70°	267.6	317.0	382.2	424.9	440.7
72.5°	224.8	276.6	339.5	386.7	402.5
75°	184.4	233.8	301.3	348.5	364.2
77.5°	141.6	195.6	263.1	310.3	328.3
80°	103.4	159.6	227.1	274.3	292.3
82.5°	69.7	125.9	193.4	240.6	258.6
85°	40.5	96.7	164.1	209.1	224.8
87.5°	20.2	74.2	137.2	182.1	197.9
90°	0.0	54.0	114.7	157.4	173.1
92.5°	0.0	51.7	112.4	152.9	168.6
95°	0.0	51.7	110.2	150.6	166.4
97.5°	0.0	49.5	107.9	150.6	164.1
100°	0.0	47.2	107.9	148.4	161.9
102.5°	0.0	45.0	105.7	146.1	159.6
105°	0.0	42.7	103.4	141.6	155.1
107.5°	2.2	42.7	98.9	139.4	152.9
110°	2.2	40.5	94.4	137.2	150.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	38.2	89.9	132.7	146.1
115°	2.2	38.2	87.7	125.9	141.6
117.5°	2.2	36.0	83.2	121.4	137.2
120°	2.2	36.0	80.9	116.9	130.4
122.5°	2.2	33.7	76.4	112.4	125.9
125°	2.2	31.5	74.2	107.9	121.4
127.5°	2.2	29.2	71.9	103.4	116.9
130°	2.2	27.0	67.5	98.9	110.2
132.5°	2.2	27.0	65.2	92.2	105.7
135°	2.2	24.7	60.7	87.7	98.9
137.5°	2.2	22.5	56.2	83.2	94.4
140°	2.2	20.2	51.7	78.7	87.7
142.5°	2.2	20.2	47.2	71.9	80.9
145°	2.2	18.0	42.7	67.5	74.2
147.5°	2.2	15.7	38.2	60.7	67.5
150°	2.2	15.7	33.7	54.0	60.7
152.5°	2.2	13.5	29.2	49.5	56.2
155°	2.2	11.2	27.0	42.7	49.5
157.5°	2.2	11.2	22.5	36.0	42.7
160°	2.2	9.0	20.2	29.2	36.0
162.5°	2.2	9.0	18.0	24.7	31.5
165°	2.2	6.7	13.5	20.2	24.7
167.5°	2.2	6.7	11.2	15.7	20.2
170°	2.2	4.5	9.0	11.2	15.7
172.5°	2.2	4.5	6.7	6.7	6.7
175°	2.2	2.2	4.5	4.5	2.2
177.5°	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)