

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: P567765

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567765
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-SLW-UNV-L850-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

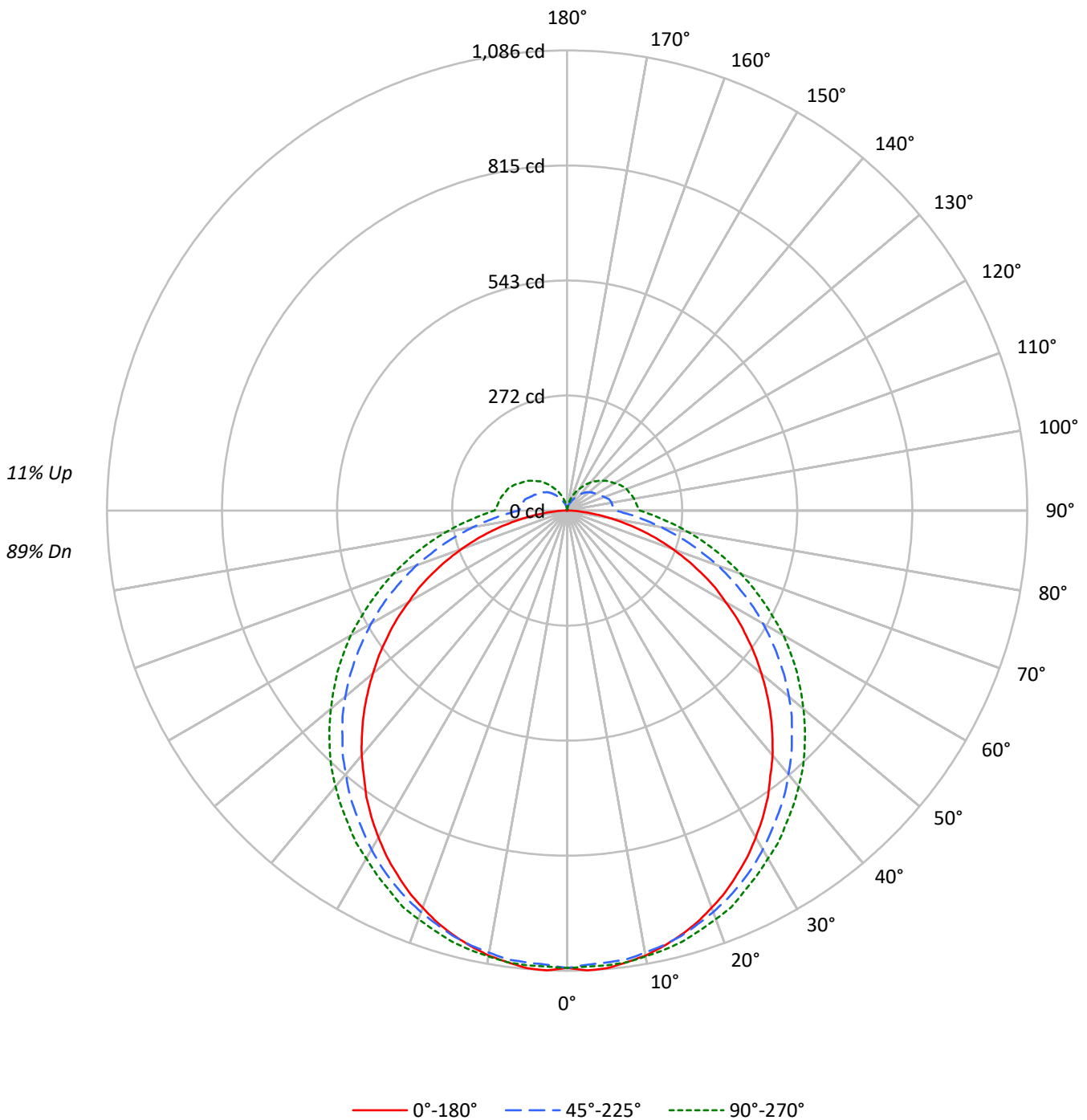
Lumens per Lamp: N/A
Luminaire Lumens: 3843.0 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	5810	5810	5810
5°	5851	5664	5656
10°	5816	5553	5516
15°	5763	5439	5387
20°	5690	5307	5243
25°	5604	5178	5093
30°	5500	5036	4945
35°	5387	4889	4805
40°	5255	4744	4672
45°	5114	4596	4528
50°	4952	4440	4366
55°	4775	4252	4208
60°	4566	4051	4031
65°	4353	3825	3808
70°	4053	3576	3590
75°	3653	3259	3349
80°	2997	2936	3111
85°	2214	2664	2867



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.5	2.7
10°-20°	294.7	7.7
20°-30°	448.1	11.7
30°-40°	544.0	14.2
40°-50°	574.8	15.0
50°-60°	537.9	14.0
60°-70°	441.4	11.5
70°-80°	303.6	7.9
80°-90°	166.2	4.3
90°-100°	107.1	2.8
100°-110°	96.1	2.5
110°-120°	79.5	2.1
120°-130°	61.2	1.6
130°-140°	43.0	1.1
140°-150°	25.9	0.7
150°-160°	12.4	0.3
160°-170°	4.1	0.1
170°-180°	0.5	0.0
0°-30°	845.4	22.0
0°-40°	1389.4	36.2
0°-60°	2502.1	65.1
0°-90°	3413.3	88.8
90°-120°	282.6	7.4
90°-150°	412.8	10.7
90°-180°	430.0	11.2
0°-180°	3843.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1080	1080	1080	1080	1080	
5°	1084	1082	1071	1080	1077	103
15°	1037	1042	1039	1053	1053	292
25°	948	959	970	990	990	437
35°	826	846	870	895	901	516
45°	679	710	750	784	792	523
55°	516	559	610	648	661	462
65°	349	396	456	499	512	346
75°	182	232	298	345	361	192
85°	40	96	162	207	223	46
90°	0	53	114	156	171	3
95°	0	51	109	149	165	0
105°	0	42	102	140	154	1
115°	2	38	87	125	140	2
125°	2	31	74	107	120	2
135°	2	24	60	87	98	2
145°	2	18	42	67	74	1
155°	2	11	27	42	49	1
165°	2	7	13	20	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°	1079.5	1079.5	1079.5	1079.5	1079.5
2.5°	1086.2	1084.0	1072.8	1081.7	1077.3
5°	1084.0	1081.7	1070.6	1079.5	1077.3
7.5°	1075.1	1075.1	1068.4	1077.3	1075.1
10°	1066.2	1066.2	1059.5	1070.6	1068.4
12.5°	1052.8	1055.0	1050.6	1063.9	1061.7
15°	1037.2	1041.7	1039.4	1052.8	1052.8
17.5°	1019.4	1023.9	1023.9	1039.4	1039.4
20°	997.2	1003.8	1008.3	1026.1	1026.1
22.5°	974.9	983.8	990.5	1006.1	1012.7
25°	948.2	959.3	970.4	990.5	990.5
27.5°	921.5	934.8	948.2	968.2	970.4
30°	890.3	905.9	923.7	943.7	948.2
32.5°	859.2	879.2	897.0	921.5	928.2
35°	825.8	845.8	870.3	894.8	901.4
37.5°	787.9	812.4	843.6	870.3	877.0
40°	754.5	781.3	812.4	843.6	850.3
42.5°	716.7	745.6	783.5	812.4	823.5
45°	678.9	710.0	750.1	783.5	792.4
47.5°	638.8	674.4	718.9	750.1	761.2
50°	598.7	636.6	683.3	718.9	727.8
52.5°	558.7	598.7	647.7	683.3	694.4
55°	516.4	558.7	609.9	647.7	661.1
57.5°	476.3	518.6	572.0	612.1	625.4
60°	431.8	480.8	534.2	574.3	589.8
62.5°	394.0	438.5	496.4	536.4	549.8
65°	349.4	396.2	456.3	498.6	511.9
67.5°	307.2	356.1	416.2	460.7	474.1
70°	264.9	313.8	378.4	420.7	436.3
72.5°	222.6	273.8	336.1	382.8	398.4
75°	182.5	231.5	298.3	345.0	360.6
77.5°	140.2	193.6	260.4	307.2	325.0
80°	102.4	158.0	224.8	271.5	289.4
82.5°	69.0	124.6	191.4	238.2	256.0
85°	40.1	95.7	162.5	207.0	222.6
87.5°	20.0	73.5	135.8	180.3	195.9
90°	0.0	53.4	113.5	155.8	171.4
92.5°	0.0	51.2	111.3	151.4	166.9
95°	0.0	51.2	109.1	149.1	164.7
97.5°	0.0	49.0	106.8	149.1	162.5
100°	0.0	46.7	106.8	146.9	160.3
102.5°	0.0	44.5	104.6	144.7	158.0
105°	0.0	42.3	102.4	140.2	153.6
107.5°	2.2	42.3	97.9	138.0	151.4
110°	2.2	40.1	93.5	135.8	149.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	37.8	89.0	131.3	144.7
115°	2.2	37.8	86.8	124.6	140.2
117.5°	2.2	35.6	82.4	120.2	135.8
120°	2.2	35.6	80.1	115.7	129.1
122.5°	2.2	33.4	75.7	111.3	124.6
125°	2.2	31.2	73.5	106.8	120.2
127.5°	2.2	28.9	71.2	102.4	115.7
130°	2.2	26.7	66.8	97.9	109.1
132.5°	2.2	26.7	64.5	91.3	104.6
135°	2.2	24.5	60.1	86.8	97.9
137.5°	2.2	22.3	55.6	82.4	93.5
140°	2.2	20.0	51.2	77.9	86.8
142.5°	2.2	20.0	46.7	71.2	80.1
145°	2.2	17.8	42.3	66.8	73.5
147.5°	2.2	15.6	37.8	60.1	66.8
150°	2.2	15.6	33.4	53.4	60.1
152.5°	2.2	13.4	28.9	49.0	55.6
155°	2.2	11.1	26.7	42.3	49.0
157.5°	2.2	11.1	22.3	35.6	42.3
160°	2.2	8.9	20.0	28.9	35.6
162.5°	2.2	8.9	17.8	24.5	31.2
165°	2.2	6.7	13.4	20.0	24.5
167.5°	2.2	6.7	11.1	15.6	20.0
170°	2.2	4.5	8.9	11.1	15.6
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)