

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: P566361

Luminaire Tested: **4SNX-37SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566361
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: 4SNX-37SL-SLW-UNV-L850-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

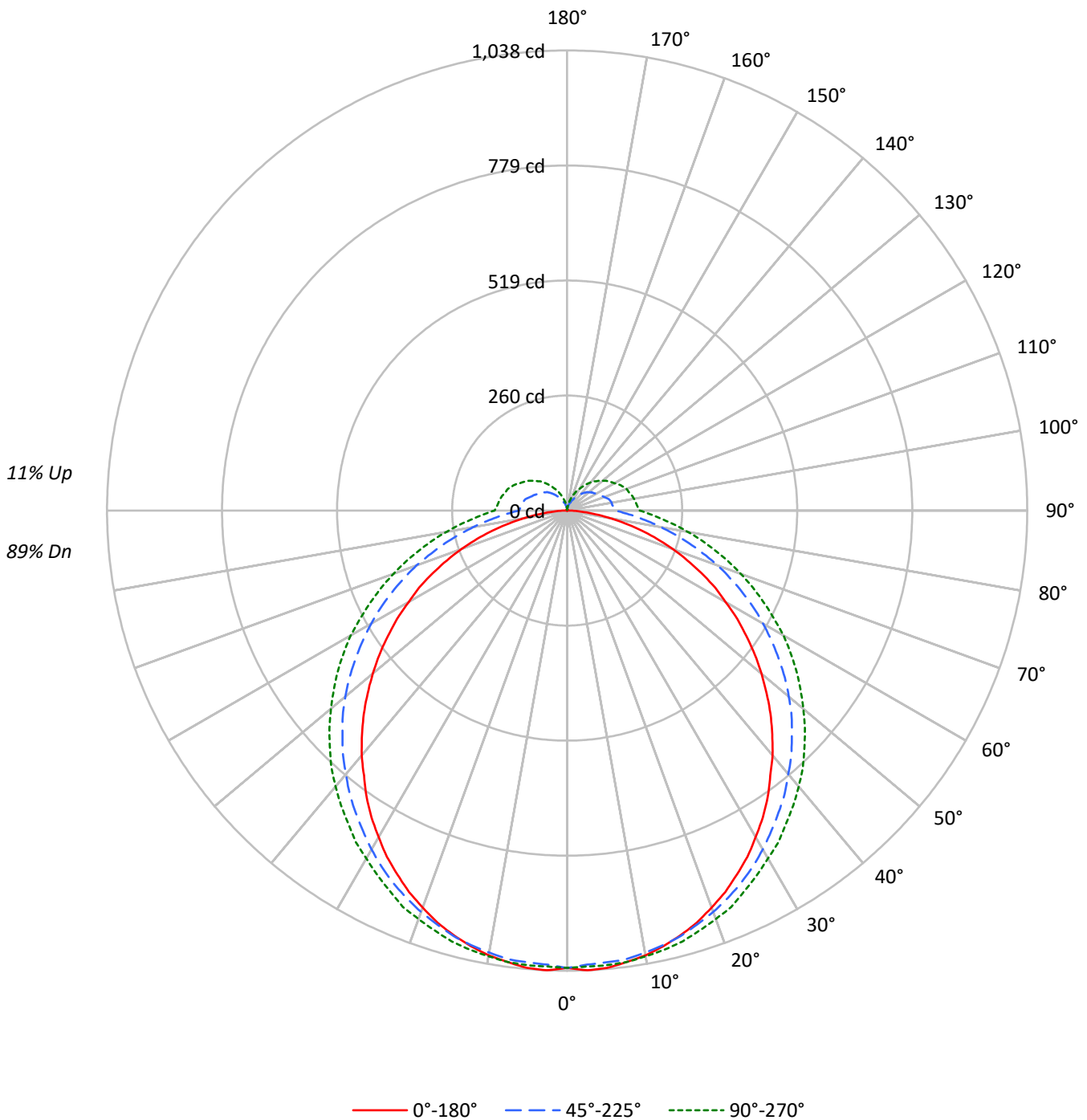
Lumens per Lamp: N/A
Luminaire Lumens: 3672.0 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 24
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	76	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°	11103	11103	11103
5°	11170	10817	10808
10°	11094	10598	10540
15°	10983	10374	10295
20°	10832	10117	10019
25°	10657	9866	9733
30°	10448	9589	9449
35°	10219	9303	9183
40°	9958	9020	8928
45°	9674	8732	8652
50°	9349	8428	8344
55°	8993	8063	8040
60°	8574	7673	7703
65°	8142	7235	7278
70°	7536	6751	6860
75°	6732	6138	6399
80°	5424	5514	5945
85°	3823	4980	5479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	2.7
10°-20°	281.6	7.7
20°-30°	428.2	11.7
30°-40°	519.8	14.2
40°-50°	549.2	15.0
50°-60°	514.0	14.0
60°-70°	421.7	11.5
70°-80°	290.1	7.9
80°-90°	158.9	4.3
90°-100°	102.3	2.8
100°-110°	91.8	2.5
110°-120°	76.0	2.1
120°-130°	58.5	1.6
130°-140°	41.1	1.1
140°-150°	24.8	0.7
150°-160°	11.9	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	807.8	22.0
0°-40°	1327.5	36.2
0°-60°	2390.7	65.1
0°-90°	3261.4	88.8
90°-120°	270.0	7.4
90°-150°	394.4	10.7
90°-180°	411.0	11.2
0°-180°	3672.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1032	1032	1032	1032	1032	
5°	1036	1034	1023	1032	1029	98
15°	991	995	993	1006	1006	279
25°	906	917	927	946	946	417
35°	789	808	832	855	861	493
45°	649	678	717	749	757	500
55°	493	534	583	619	632	442
65°	334	379	436	476	489	331
75°	174	221	285	330	344	184
85°	38	92	155	198	213	44
90°	0	51	108	149	164	3
95°	0	49	104	142	157	0
105°	0	40	98	134	147	1
115°	2	36	83	119	134	2
125°	2	30	70	102	115	2
135°	2	23	57	83	94	2
145°	2	17	40	64	70	1
155°	2	11	26	40	47	1
165°	2	6	13	19	23	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°	1031.5	1031.5	1031.5	1031.5	1031.5
2.5°	1037.9	1035.7	1025.1	1033.6	1029.3
5°	1035.7	1033.6	1023.0	1031.5	1029.3
7.5°	1027.2	1027.2	1020.8	1029.3	1027.2
10°	1018.7	1018.7	1012.3	1023.0	1020.8
12.5°	1006.0	1008.1	1003.8	1016.6	1014.5
15°	991.1	995.3	993.2	1006.0	1006.0
17.5°	974.1	978.3	978.3	993.2	993.2
20°	952.8	959.2	963.4	980.4	980.4
22.5°	931.5	940.0	946.4	961.3	967.7
25°	906.0	916.6	927.3	946.4	946.4
27.5°	880.5	893.2	906.0	925.1	927.3
30°	850.7	865.6	882.6	901.7	906.0
32.5°	820.9	840.1	857.1	880.5	886.9
35°	789.0	808.2	831.6	855.0	861.3
37.5°	752.9	776.3	806.0	831.6	837.9
40°	721.0	746.5	776.3	806.0	812.4
42.5°	684.8	712.5	748.6	776.3	786.9
45°	648.7	678.4	716.7	748.6	757.1
47.5°	610.4	644.4	686.9	716.7	727.3
50°	572.1	608.3	652.9	686.9	695.4
52.5°	533.8	572.1	618.9	652.9	663.5
55°	493.4	533.8	582.7	618.9	631.6
57.5°	455.1	495.5	546.6	584.9	597.6
60°	412.6	459.4	510.4	548.7	563.6
62.5°	376.4	419.0	474.3	512.5	525.3
65°	333.9	378.6	436.0	476.4	489.2
67.5°	293.5	340.3	397.7	440.2	453.0
70°	253.1	299.9	361.5	402.0	416.8
72.5°	212.7	261.6	321.1	365.8	380.7
75°	174.4	221.2	285.0	329.6	344.5
77.5°	134.0	185.0	248.8	293.5	310.5
80°	97.8	151.0	214.8	259.5	276.5
82.5°	65.9	119.1	182.9	227.6	244.6
85°	38.3	91.5	155.3	197.8	212.7
87.5°	19.1	70.2	129.7	172.3	187.2
90°	0.0	51.0	108.5	148.9	163.8
92.5°	0.0	48.9	106.3	144.6	159.5
95°	0.0	48.9	104.2	142.5	157.4
97.5°	0.0	46.8	102.1	142.5	155.3
100°	0.0	44.7	102.1	140.4	153.1
102.5°	0.0	42.5	100.0	138.2	151.0
105°	0.0	40.4	97.8	134.0	146.7
107.5°	2.1	40.4	93.6	131.9	144.6
110°	2.1	38.3	89.3	129.7	142.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	36.2	85.1	125.5	138.2
115°	2.1	36.2	82.9	119.1	134.0
117.5°	2.1	34.0	78.7	114.8	129.7
120°	2.1	34.0	76.6	110.6	123.4
122.5°	2.1	31.9	72.3	106.3	119.1
125°	2.1	29.8	70.2	102.1	114.8
127.5°	2.1	27.6	68.1	97.8	110.6
130°	2.1	25.5	63.8	93.6	104.2
132.5°	2.1	25.5	61.7	87.2	100.0
135°	2.1	23.4	57.4	82.9	93.6
137.5°	2.1	21.3	53.2	78.7	89.3
140°	2.1	19.1	48.9	74.4	82.9
142.5°	2.1	19.1	44.7	68.1	76.6
145°	2.1	17.0	40.4	63.8	70.2
147.5°	2.1	14.9	36.2	57.4	63.8
150°	2.1	14.9	31.9	51.0	57.4
152.5°	2.1	12.8	27.6	46.8	53.2
155°	2.1	10.6	25.5	40.4	46.8
157.5°	2.1	10.6	21.3	34.0	40.4
160°	2.1	8.5	19.1	27.6	34.0
162.5°	2.1	8.5	17.0	23.4	29.8
165°	2.1	6.4	12.8	19.1	23.4
167.5°	2.1	6.4	10.6	14.9	19.1
170°	2.1	4.3	8.5	10.6	14.9
172.5°	2.1	4.3	6.4	6.4	6.4
175°	2.1	2.1	4.3	4.3	2.1
177.5°	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)