

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: P566352

Luminaire Tested: **4SNX-37SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566352
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-LW-UNV-L840-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

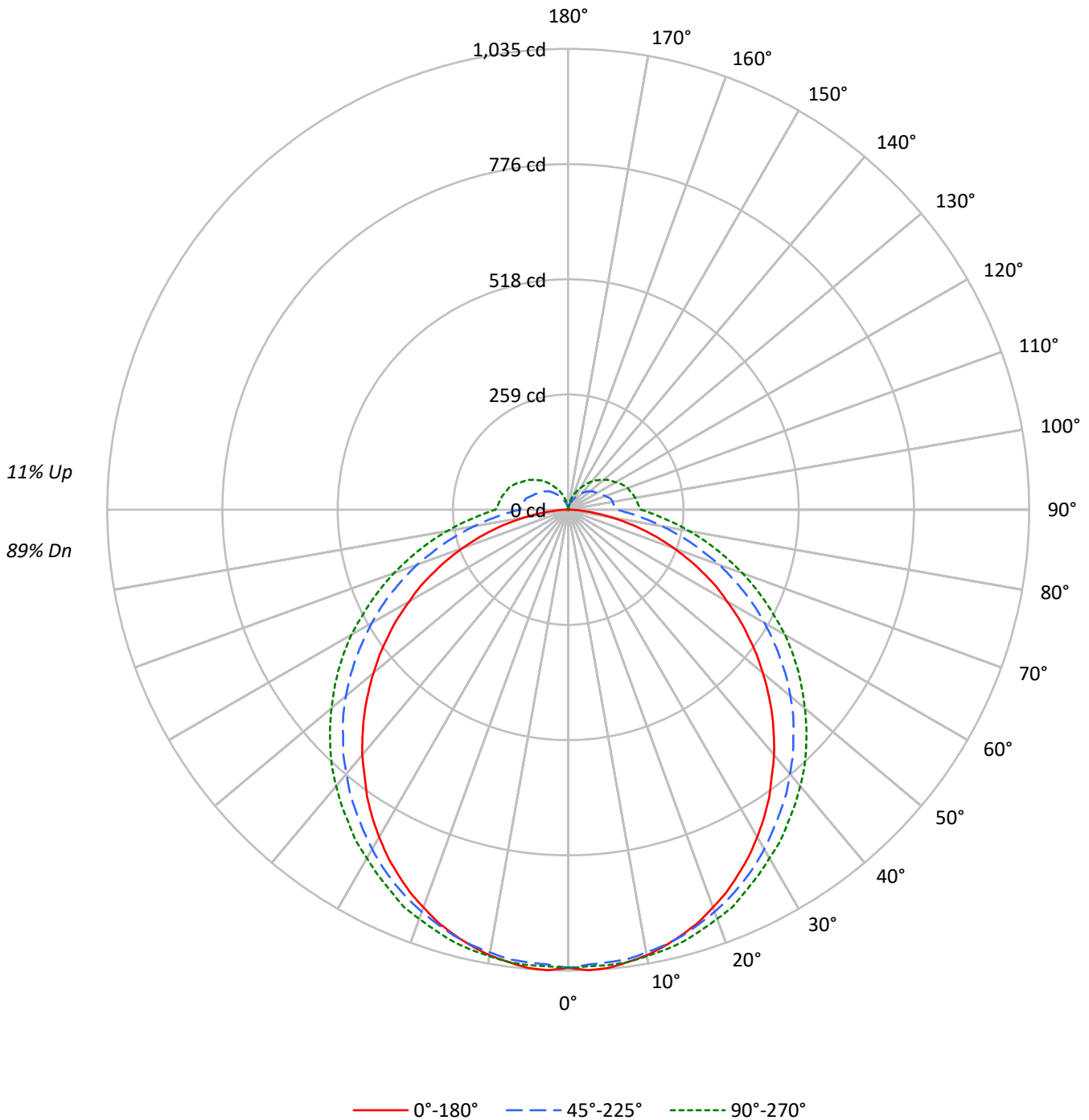
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3663.0 lumens
Efficiency: N/A
Efficacy: 152.6 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 24
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°	11075	11075	11075
5°	11123	10564	10483
10°	11026	10142	9959
15°	10895	9735	9488
20°	10724	9312	9015
25°	10530	8906	8554
30°	10300	8488	8111
35°	10050	8070	7697
40°	9764	7661	7302
45°	9456	7252	6898
50°	9105	6830	6473
55°	8718	6360	6057
60°	8264	5870	5617
65°	7788	5340	5116
70°	7130	4777	4621
75°	6263	4121	4098
80°	4894	3459	3576
85°	3196	2845	3040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	2.7
10°-20°	280.9	7.7
20°-30°	427.1	11.7
30°-40°	518.5	14.2
40°-50°	547.9	15.0
50°-60°	512.7	14.0
60°-70°	420.7	11.5
70°-80°	289.3	7.9
80°-90°	158.5	4.3
90°-100°	102.0	2.8
100°-110°	91.6	2.5
110°-120°	75.8	2.1
120°-130°	58.4	1.6
130°-140°	41.0	1.1
140°-150°	24.7	0.7
150°-160°	11.8	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	805.8	22.0
0°-40°	1324.3	36.2
0°-60°	2384.9	65.1
0°-90°	3253.4	88.8
90°-120°	269.4	7.4
90°-150°	393.4	10.7
90°-180°	410.0	11.2
0°-180°	3663.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1029	1029	1029	1029	1029	
5°	1033	1031	1020	1029	1027	98
15°	989	993	991	1004	1004	279
25°	904	914	925	944	944	416
35°	787	806	830	853	859	492
45°	647	677	715	747	755	499
55°	492	532	581	617	630	440
65°	333	378	435	475	488	330
75°	174	221	284	329	344	183
85°	38	91	155	197	212	44
90°	0	51	108	148	163	3
95°	0	49	104	142	157	0
105°	0	40	98	134	146	1
115°	2	36	83	119	134	2
125°	2	30	70	102	115	2
135°	2	23	57	83	93	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°	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1035.3	1033.2	1022.6	1031.1	1026.8
5°	1033.2	1031.1	1020.5	1028.9	1026.8
7.5°	1024.7	1024.7	1018.3	1026.8	1024.7
10°	1016.2	1016.2	1009.9	1020.5	1018.3
12.5°	1003.5	1005.6	1001.4	1014.1	1012.0
15°	988.6	992.9	990.8	1003.5	1003.5
17.5°	971.7	975.9	975.9	990.8	990.8
20°	950.4	956.8	961.1	978.0	978.0
22.5°	929.2	937.7	944.1	958.9	965.3
25°	903.8	914.4	925.0	944.1	944.1
27.5°	878.3	891.0	903.8	922.9	925.0
30°	848.6	863.5	880.4	899.5	903.8
32.5°	818.9	838.0	855.0	878.3	884.7
35°	787.1	806.2	829.5	852.9	859.2
37.5°	751.0	774.4	804.1	829.5	835.9
40°	719.2	744.7	774.4	804.1	810.4
42.5°	683.1	710.7	746.8	774.4	785.0
45°	647.1	676.8	715.0	746.8	755.3
47.5°	608.9	642.8	685.3	715.0	725.6
50°	570.7	606.8	651.3	685.3	693.7
52.5°	532.5	570.7	617.4	651.3	661.9
55°	492.2	532.5	581.3	617.4	630.1
57.5°	454.0	494.3	545.2	583.4	596.2
60°	411.6	458.3	509.2	547.4	562.2
62.5°	375.5	417.9	473.1	511.3	524.0
65°	333.1	377.6	434.9	475.2	488.0
67.5°	292.8	339.4	396.7	439.2	451.9
70°	252.5	299.1	360.7	401.0	415.8
72.5°	212.2	260.9	320.4	364.9	379.8
75°	174.0	220.6	284.3	328.8	343.7
77.5°	133.7	184.6	248.2	292.8	309.7
80°	97.6	150.6	214.3	258.8	275.8
82.5°	65.8	118.8	182.5	227.0	244.0
85°	38.2	91.2	154.9	197.3	212.2
87.5°	19.1	70.0	129.4	171.8	186.7
90°	0.0	50.9	108.2	148.5	163.4
92.5°	0.0	48.8	106.1	144.3	159.1
95°	0.0	48.8	104.0	142.1	157.0
97.5°	0.0	46.7	101.8	142.1	154.9
100°	0.0	44.6	101.8	140.0	152.8
102.5°	0.0	42.4	99.7	137.9	150.6
105°	0.0	40.3	97.6	133.7	146.4
107.5°	2.1	40.3	93.3	131.5	144.3
110°	2.1	38.2	89.1	129.4	142.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	36.1	84.9	125.2	137.9
115°	2.1	36.1	82.7	118.8	133.7
117.5°	2.1	33.9	78.5	114.6	129.4
120°	2.1	33.9	76.4	110.3	123.0
122.5°	2.1	31.8	72.1	106.1	118.8
125°	2.1	29.7	70.0	101.8	114.6
127.5°	2.1	27.6	67.9	97.6	110.3
130°	2.1	25.5	63.6	93.3	104.0
132.5°	2.1	25.5	61.5	87.0	99.7
135°	2.1	23.3	57.3	82.7	93.3
137.5°	2.1	21.2	53.0	78.5	89.1
140°	2.1	19.1	48.8	74.3	82.7
142.5°	2.1	19.1	44.6	67.9	76.4
145°	2.1	17.0	40.3	63.6	70.0
147.5°	2.1	14.9	36.1	57.3	63.6
150°	2.1	14.9	31.8	50.9	57.3
152.5°	2.1	12.7	27.6	46.7	53.0
155°	2.1	10.6	25.5	40.3	46.7
157.5°	2.1	10.6	21.2	33.9	40.3
160°	2.1	8.5	19.1	27.6	33.9
162.5°	2.1	8.5	17.0	23.3	29.7
165°	2.1	6.4	12.7	19.1	23.3
167.5°	2.1	6.4	10.6	14.9	19.1
170°	2.1	4.2	8.5	10.6	14.9
172.5°	2.1	4.2	6.4	6.4	6.4
175°	2.1	2.1	4.2	4.2	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)