

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: P565728

Luminaire Tested: **2SNX-40HL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-40HL-SLW-UNV-L940-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

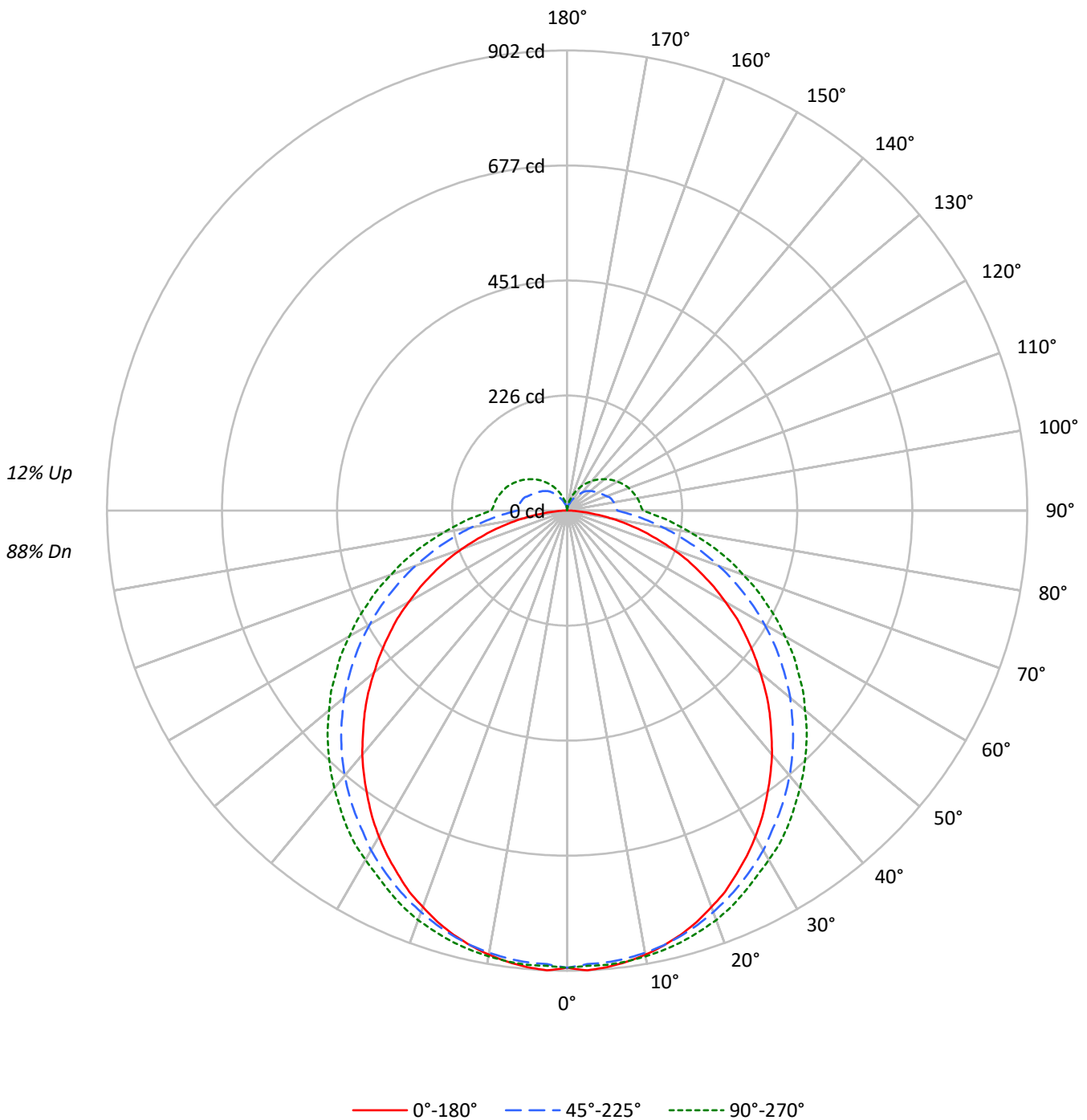
Lumens per Lamp: N/A
Luminaire Lumens: 3226.0 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 27.55
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	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19291	19291	19291
5°	19342	18775	18770
10°	19182	18381	18322
15°	18972	17961	17898
20°	18664	17504	17457
25°	18306	17046	16953
30°	17919	16587	16490
35°	17438	16075	16091
40°	16968	15606	15603
45°	16408	15089	15140
50°	15762	14538	14609
55°	15130	13896	14080
60°	14400	13202	13471
65°	13514	12413	12821
70°	12391	11526	12074
75°	10825	10506	11390
80°	8651	9485	10523
85°	5545	8556	9963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	2.6
10°-20°	244.7	7.6
20°-30°	372.3	11.5
30°-40°	452.6	14.0
40°-50°	478.9	14.8
50°-60°	448.9	13.9
60°-70°	369.3	11.4
70°-80°	255.5	7.9
80°-90°	142.1	4.4
90°-100°	93.6	2.9
100°-110°	83.9	2.6
110°-120°	69.5	2.2
120°-130°	53.7	1.7
130°-140°	38.0	1.2
140°-150°	22.9	0.7
150°-160°	11.0	0.3
160°-170°	3.6	0.1
170°-180°	0.4	0.0
0°-30°	702.0	21.8
0°-40°	1154.7	35.8
0°-60°	2082.4	64.6
0°-90°	2849.3	88.3
90°-120°	247.0	7.7
90°-150°	361.7	11.2
90°-180°	377.0	11.7
0°-180°	3226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	896	896	896	896	896	
5°	898	897	889	896	894	85
15°	861	864	863	874	874	243
25°	786	797	806	824	824	362
35°	683	701	725	748	755	427
45°	561	591	626	655	662	433
55°	427	465	510	542	553	382
65°	289	330	382	419	431	286
75°	150	194	251	291	307	159
85°	33	82	139	178	193	38
90°	1	46	98	135	149	2
95°	1	44	96	131	144	0
105°	1	38	90	123	134	1
115°	1	33	76	109	122	1
125°	1	28	65	93	105	1
135°	1	22	54	77	86	1
145°	1	16	38	58	65	1
155°	2	11	23	37	43	1
165°	2	7	13	17	22	0
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	896.1	896.1	896.1	896.1	896.1
2.5°	902.1	899.4	890.0	896.1	893.3
5°	898.3	896.6	888.9	896.1	893.8
7.5°	892.2	891.6	885.6	893.8	891.6
10°	883.9	885.0	880.0	888.9	887.2
12.5°	873.4	875.1	872.9	882.8	881.7
15°	860.7	863.5	862.9	874.5	874.5
17.5°	845.2	849.1	851.3	864.6	864.6
20°	827.0	833.1	837.5	851.9	854.1
22.5°	808.8	816.0	822.6	837.5	840.8
25°	785.6	796.6	806.0	823.7	824.2
27.5°	762.9	775.1	787.8	804.9	806.6
30°	738.1	753.5	769.0	785.6	790.5
32.5°	711.5	728.7	745.8	767.9	774.5
35°	682.8	701.0	724.8	748.0	754.6
37.5°	654.1	674.5	702.2	725.9	732.0
40°	624.8	647.5	678.4	702.7	709.9
42.5°	592.2	619.8	653.0	678.9	687.2
45°	561.3	590.6	626.5	654.6	662.4
47.5°	528.7	559.6	598.3	628.1	637.0
50°	493.9	529.2	570.7	600.5	608.8
52.5°	461.3	497.2	540.8	571.8	583.4
55°	427.0	465.2	509.9	541.9	553.0
57.5°	395.0	431.5	479.5	511.6	525.4
60°	358.5	398.9	446.9	481.7	492.8
62.5°	324.3	365.2	414.9	450.8	463.5
65°	288.9	330.4	381.7	419.3	430.9
67.5°	255.8	296.7	349.1	386.2	401.1
70°	219.3	262.4	316.0	354.1	366.8
72.5°	183.4	228.2	282.8	323.7	338.1
75°	150.3	193.9	250.8	290.6	306.6
77.5°	118.2	162.4	219.9	260.8	274.6
80°	86.2	132.6	191.1	231.5	244.7
82.5°	56.9	105.5	163.5	203.9	218.2
85°	33.1	82.3	139.2	177.9	193.4
87.5°	14.4	62.4	116.6	154.7	167.4
90°	0.6	46.4	98.3	135.3	148.6
92.5°	0.6	45.3	96.1	132.6	145.3
95°	0.6	44.2	95.6	130.9	143.6
97.5°	0.6	43.6	94.5	129.8	142.0
100°	0.6	42.0	92.8	127.6	139.8
102.5°	0.6	39.8	91.2	125.4	137.0
105°	0.6	38.1	89.5	123.2	134.2
107.5°	0.6	36.5	86.7	120.4	131.5
110°	0.6	34.8	82.3	117.7	128.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	34.3	79.0	113.8	125.4
115°	1.1	33.1	75.7	109.4	121.5
117.5°	1.1	32.6	72.9	105.0	117.7
120°	1.1	30.9	70.2	101.1	113.3
122.5°	1.1	29.3	67.4	97.2	109.4
125°	1.1	28.2	64.6	93.4	105.0
127.5°	1.1	26.5	62.4	89.5	100.0
130°	1.1	25.4	59.7	85.1	95.6
132.5°	1.1	23.8	56.9	80.7	90.6
135°	1.1	22.1	54.1	76.8	86.2
137.5°	1.1	19.9	50.8	72.4	81.2
140°	1.1	18.2	46.4	68.0	76.2
142.5°	1.1	17.1	42.0	63.0	70.7
145°	1.1	16.0	37.6	58.0	65.2
147.5°	1.1	14.9	33.7	53.0	59.7
150°	1.1	13.3	29.8	48.6	54.1
152.5°	1.7	12.2	26.5	43.1	48.6
155°	1.7	11.0	23.2	37.0	43.1
157.5°	1.7	9.9	19.9	30.9	37.6
160°	1.7	8.8	17.1	25.4	32.0
162.5°	1.7	8.3	14.9	21.0	27.1
165°	1.7	7.2	12.7	17.1	22.1
167.5°	1.7	5.5	10.5	13.3	18.2
170°	1.7	4.4	8.3	9.4	13.8
172.5°	1.7	3.3	6.1	6.6	7.2
175°	1.7	2.8	3.9	3.9	2.2
177.5°	1.7	2.2	2.2	2.2	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)