

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: P565711

Luminaire Tested: **2SNX-40HL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-40HL-LN-UNV-L935-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

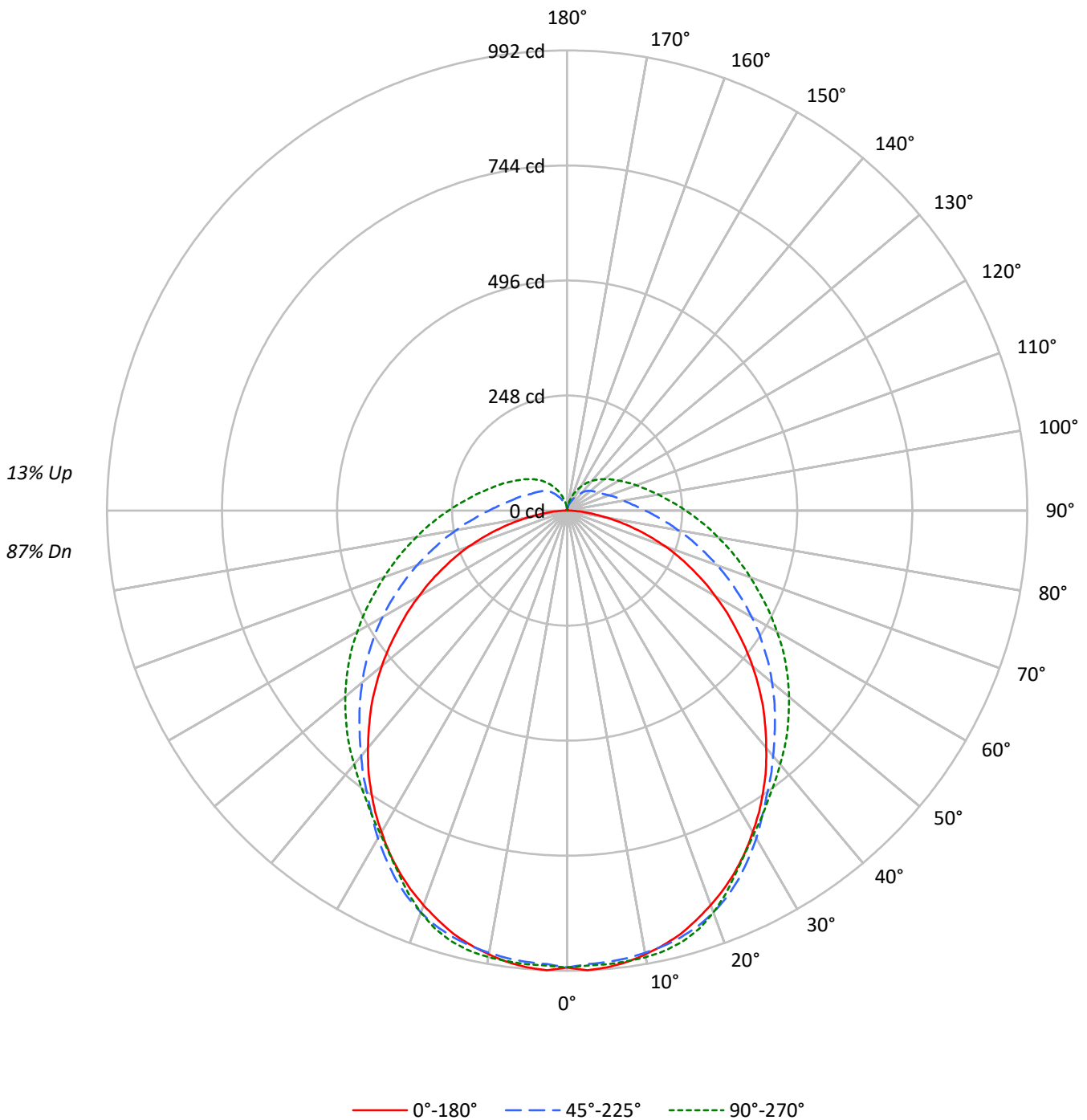
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3555.0 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 27.55
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

TEST NUMBER: P565711
CATALOG NUMBER: 2SNX-40HL-LN-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565711

CATALOG NUMBER: 2SNX-40HL-LN-UNV-L935-CD

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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21201	21201	21201
5°	21205	20177	20047
10°	20929	19349	19122
15°	20601	18572	18189
20°	20127	17707	17000
25°	19623	16677	15605
30°	18983	15529	14442
35°	18303	14369	13574
40°	17540	13433	12871
45°	16786	12601	12264
50°	15900	11837	11653
55°	14879	11069	11055
60°	13876	10307	10429
65°	12762	9538	9856
70°	11483	8815	9338
75°	9599	8110	8911
80°	7206	7495	8549
85°	4352	7041	8341



TEST NUMBER: P565711

CATALOG NUMBER: 2SNX-40HL-LN-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	2.6
10°-20°	269.0	7.6
20°-30°	400.5	11.3
30°-40°	472.6	13.3
40°-50°	492.9	13.9
50°-60°	463.2	13.0
60°-70°	391.2	11.0
70°-80°	295.6	8.3
80°-90°	203.7	5.7
90°-100°	142.6	4.0
100°-110°	106.4	3.0
110°-120°	80.2	2.3
120°-130°	59.8	1.7
130°-140°	42.0	1.2
140°-150°	25.4	0.7
150°-160°	12.1	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	763.1	21.5
0°-40°	1235.7	34.8
0°-60°	2191.7	61.7
0°-90°	3082.2	86.7
90°-120°	329.2	9.3
90°-150°	456.3	12.8
90°-180°	473.0	13.3
0°-180°	3555.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	985	985	985	985	985	
5°	988	987	977	984	982	94
15°	945	949	952	964	962	266
25°	858	876	876	868	861	395
35°	737	764	750	756	758	461
45°	597	627	633	659	671	460
55°	444	482	518	560	575	398
65°	295	342	400	453	470	293
75°	151	210	290	351	374	161
85°	34	108	201	268	291	39
90°	1	76	168	233	256	2
95°	1	60	142	204	225	0
105°	1	43	110	159	177	1
115°	1	37	85	127	143	1
125°	2	31	72	104	117	2
135°	2	24	60	84	95	1
145°	2	18	42	64	72	1
155°	2	12	25	41	48	1
165°	3	7	13	18	24	1
175°	3	3	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P565711

CATALOG NUMBER: 2SNX-40HL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	984.8	984.8	984.8	984.8	984.8
2.5°	992.0	989.6	978.8	984.8	981.8
5°	988.4	986.6	977.0	984.2	981.8
7.5°	981.8	981.2	974.0	982.4	980.0
10°	971.5	973.3	967.9	979.4	977.6
12.5°	959.5	963.1	961.3	974.0	972.1
15°	945.0	949.2	951.7	963.7	961.9
17.5°	925.7	933.6	939.0	948.6	945.6
20°	905.2	916.1	922.1	926.9	922.1
22.5°	882.9	897.4	901.0	898.6	893.8
25°	858.2	875.7	875.7	867.9	861.2
27.5°	830.5	852.2	846.2	837.1	831.7
30°	800.4	826.3	816.0	805.8	804.6
32.5°	770.2	797.4	782.3	779.9	781.7
35°	737.1	764.2	749.8	755.8	757.6
37.5°	703.9	731.1	721.4	730.5	735.9
40°	667.8	696.7	690.7	707.0	714.2
42.5°	632.2	662.4	661.8	682.9	693.7
45°	597.3	626.8	633.4	659.3	671.4
47.5°	559.3	589.4	605.7	635.8	647.9
50°	521.9	554.5	576.8	610.5	624.4
52.5°	483.4	517.7	548.5	585.8	600.3
55°	443.6	481.6	518.3	559.9	575.0
57.5°	408.0	446.6	490.0	532.8	550.3
60°	368.8	411.6	459.3	504.5	521.9
62.5°	333.3	377.3	430.3	477.9	496.6
65°	295.3	342.3	400.2	452.6	470.1
67.5°	260.4	308.6	371.9	424.9	444.2
70°	224.2	275.4	344.1	400.2	420.1
72.5°	186.8	241.1	316.4	376.1	396.6
75°	151.3	209.7	290.5	351.4	373.7
77.5°	118.1	179.6	267.0	329.7	351.4
80°	85.6	152.5	242.3	307.4	329.7
82.5°	56.7	129.0	222.4	287.5	311.0
85°	34.4	107.9	201.3	267.6	291.1
87.5°	15.7	90.4	184.4	250.1	273.0
90°	0.6	76.5	168.2	232.6	255.5
92.5°	0.6	66.9	154.9	217.6	239.9
95°	0.6	59.7	142.2	203.7	224.8
97.5°	0.6	54.8	132.6	190.5	210.9
100°	0.6	50.0	122.9	178.4	199.5
102.5°	1.2	45.8	115.7	167.5	187.4
105°	1.2	42.8	109.7	159.1	177.2
107.5°	1.2	41.0	103.1	150.7	167.5
110°	1.2	39.2	95.8	142.2	159.1



TEST NUMBER: P565711

CATALOG NUMBER: 2SNX-40HL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	38.0	90.4	135.0	151.3
115°	1.2	36.8	85.0	126.6	142.8
117.5°	1.2	36.2	82.0	119.9	135.6
120°	1.8	34.4	78.4	113.9	129.0
122.5°	1.8	32.5	74.7	109.1	122.3
125°	1.8	31.3	71.7	103.7	116.9
127.5°	1.8	29.5	68.7	98.8	110.9
130°	1.8	27.7	66.3	94.0	105.5
132.5°	1.8	25.9	63.3	89.2	100.0
135°	1.8	24.1	59.7	84.4	94.6
137.5°	1.8	22.3	56.1	79.6	89.2
140°	1.8	20.5	51.2	74.7	83.8
142.5°	1.8	18.7	46.4	69.9	77.7
145°	2.4	17.5	41.6	64.5	72.3
147.5°	2.4	15.7	36.8	59.1	65.7
150°	2.4	14.5	33.1	53.6	59.7
152.5°	2.4	12.7	29.5	47.6	53.6
155°	2.4	11.5	25.3	41.0	47.6
157.5°	2.4	10.2	21.7	34.4	41.6
160°	2.4	9.6	18.7	28.3	35.6
162.5°	3.0	8.4	15.7	22.9	29.5
165°	3.0	7.2	13.3	18.1	24.1
167.5°	3.0	6.0	10.8	13.9	18.7
170°	3.0	4.8	8.4	9.6	14.5
172.5°	3.0	3.6	6.0	6.6	7.2
175°	3.0	3.0	3.6	3.6	1.8
177.5°	3.0	3.0	2.4	1.8	0.6
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)