

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: P565772

Luminaire Tested: **2SNX-44HL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565772
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-44HL-SLW-UNV-L840-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

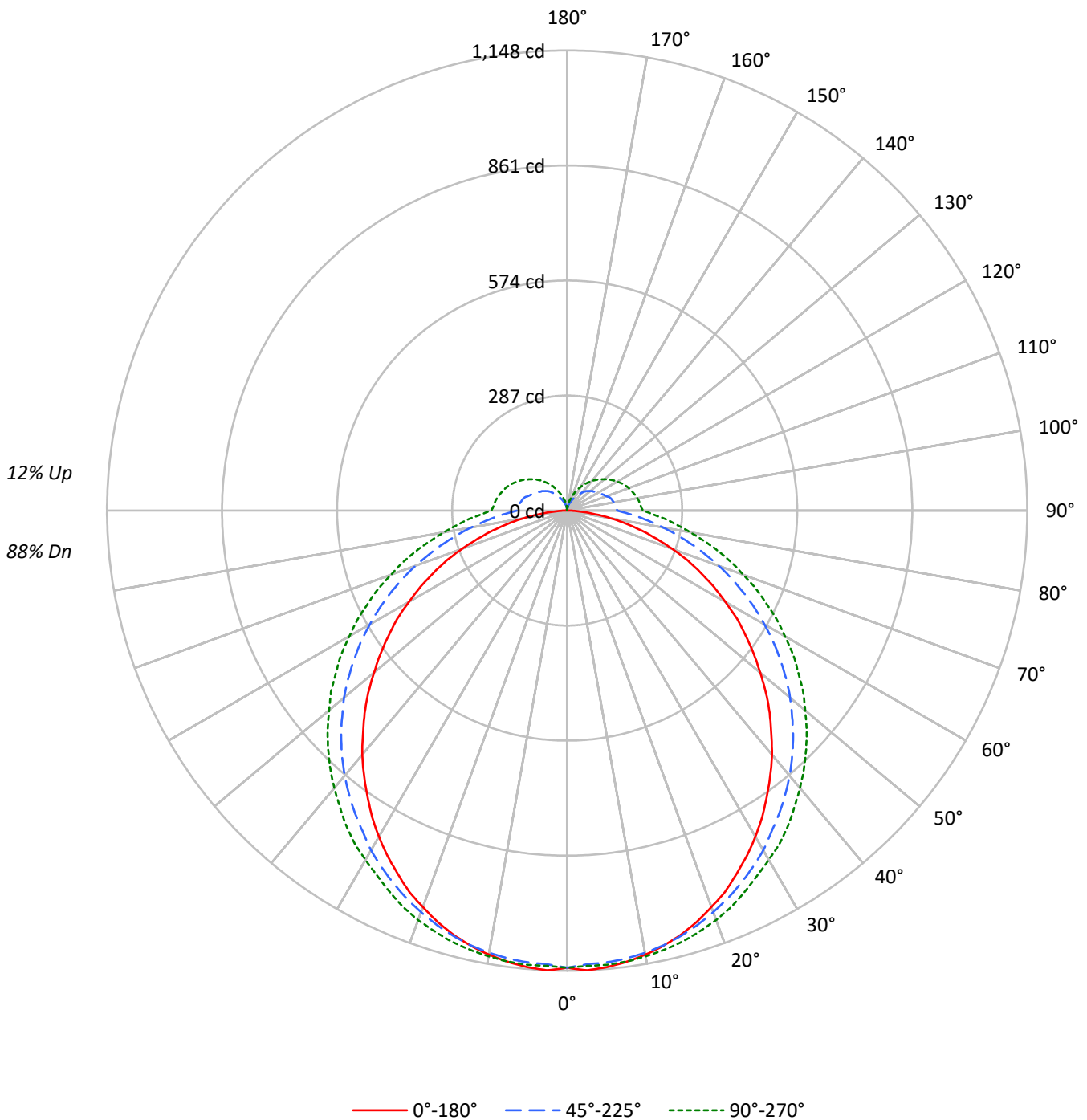
Lumens per Lamp: N/A
Luminaire Lumens: 4106.0 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 31.1
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

TEST NUMBER: P565772

CATALOG NUMBER: 2SNX-44HL-SLW-UNV-L840-CD

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°	24552	24552	24552
5°	24617	23895	23892
10°	24414	23396	23319
15°	24147	22860	22781
20°	23756	22280	22218
25°	23300	21697	21579
30°	22805	21112	20989
35°	22196	20460	20481
40°	21595	19864	19858
45°	20883	19205	19270
50°	20061	18501	18595
55°	19258	17687	17919
60°	18329	16803	17145
65°	17200	15802	16317
70°	15769	14671	15369
75°	13778	13371	14495
80°	11009	12076	13396
85°	7070	10891	12678



TEST NUMBER: P565772

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	2.6
10°-20°	311.5	7.6
20°-30°	473.8	11.5
30°-40°	576.1	14.0
40°-50°	609.5	14.8
50°-60°	571.3	13.9
60°-70°	470.0	11.4
70°-80°	325.2	7.9
80°-90°	180.9	4.4
90°-100°	119.1	2.9
100°-110°	106.8	2.6
110°-120°	88.4	2.2
120°-130°	68.4	1.7
130°-140°	48.4	1.2
140°-150°	29.2	0.7
150°-160°	14.0	0.3
160°-170°	4.6	0.1
170°-180°	0.6	0.0
0°-30°	893.5	21.8
0°-40°	1469.6	35.8
0°-60°	2650.4	64.6
0°-90°	3626.5	88.3
90°-120°	314.4	7.7
90°-150°	460.3	11.2
90°-180°	479.0	11.7
0°-180°	4106.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1140	1140	1140	1140	1140	
5°	1143	1141	1131	1140	1138	109
15°	1096	1099	1098	1113	1113	309
25°	1000	1014	1026	1048	1049	461
35°	869	892	922	952	960	544
45°	714	752	797	833	843	551
55°	544	592	649	690	704	487
65°	368	420	486	534	548	365
75°	191	247	319	370	390	203
85°	42	105	177	226	246	49
90°	1	59	125	172	189	3
95°	1	56	122	167	183	1
105°	1	48	114	157	171	1
115°	1	42	96	139	155	1
125°	1	36	82	119	134	1
135°	1	28	69	98	110	1
145°	1	20	48	74	83	1
155°	2	14	30	47	55	1
165°	2	9	16	22	28	1
175°	2	4	5	5	3	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1140.5	1140.5	1140.5	1140.5	1140.5
2.5°	1148.2	1144.7	1132.8	1140.5	1137.0
5°	1143.3	1141.2	1131.3	1140.5	1137.7
7.5°	1135.6	1134.9	1127.1	1137.7	1134.9
10°	1125.0	1126.4	1120.1	1131.3	1129.2
12.5°	1111.7	1113.8	1111.0	1123.6	1122.2
15°	1095.5	1099.0	1098.3	1113.1	1113.1
17.5°	1075.8	1080.7	1083.5	1100.4	1100.4
20°	1052.6	1060.3	1066.0	1084.2	1087.0
22.5°	1029.4	1038.5	1047.0	1066.0	1070.2
25°	999.9	1013.9	1025.9	1048.4	1049.1
27.5°	971.0	986.5	1002.7	1024.5	1026.6
30°	939.4	959.1	978.8	999.9	1006.2
32.5°	905.6	927.4	949.2	977.4	985.8
35°	869.1	892.3	922.5	952.0	960.5
37.5°	832.5	858.5	893.7	923.9	931.7
40°	795.2	824.1	863.5	894.4	903.5
42.5°	753.8	788.9	831.1	864.2	874.7
45°	714.4	751.7	797.4	833.2	843.1
47.5°	672.9	712.3	761.5	799.5	810.7
50°	628.6	673.6	726.3	764.3	774.9
52.5°	587.1	632.8	688.4	727.7	742.5
55°	543.5	592.0	649.0	689.8	703.8
57.5°	502.7	549.1	610.3	651.1	668.7
60°	456.3	507.7	568.8	613.1	627.2
62.5°	412.7	464.8	528.1	573.8	589.9
65°	367.7	420.5	485.9	533.7	548.4
67.5°	325.6	377.6	444.4	491.5	510.5
70°	279.1	334.0	402.2	450.7	466.9
72.5°	233.4	290.4	360.0	412.0	430.3
75°	191.3	246.8	319.2	369.9	390.2
77.5°	150.5	206.7	279.8	331.9	349.5
80°	109.7	168.8	243.3	294.6	311.5
82.5°	72.4	134.3	208.1	259.5	277.7
85°	42.2	104.8	177.2	226.4	246.1
87.5°	18.3	79.5	148.4	196.9	213.1
90°	0.7	59.1	125.2	172.3	189.1
92.5°	0.7	57.7	122.3	168.8	184.9
95°	0.7	56.3	121.6	166.6	182.8
97.5°	0.7	55.5	120.2	165.2	180.7
100°	0.7	53.4	118.1	162.4	177.9
102.5°	0.7	50.6	116.0	159.6	174.4
105°	0.7	48.5	113.9	156.8	170.9
107.5°	0.7	46.4	110.4	153.3	167.3
110°	0.7	44.3	104.8	149.8	163.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	43.6	100.5	144.8	159.6
115°	1.4	42.2	96.3	139.2	154.7
117.5°	1.4	41.5	92.8	133.6	149.8
120°	1.4	39.4	89.3	128.7	144.1
122.5°	1.4	37.3	85.8	123.8	139.2
125°	1.4	35.9	82.3	118.8	133.6
127.5°	1.4	33.8	79.5	113.9	127.3
130°	1.4	32.3	75.9	108.3	121.6
132.5°	1.4	30.2	72.4	102.7	115.3
135°	1.4	28.1	68.9	97.7	109.7
137.5°	1.4	25.3	64.7	92.1	103.4
140°	1.4	23.2	59.1	86.5	97.0
142.5°	1.4	21.8	53.4	80.2	90.0
145°	1.4	20.4	47.8	73.8	83.0
147.5°	1.4	19.0	42.9	67.5	75.9
150°	1.4	16.9	38.0	61.9	68.9
152.5°	2.1	15.5	33.8	54.8	61.9
155°	2.1	14.1	29.5	47.1	54.8
157.5°	2.1	12.7	25.3	39.4	47.8
160°	2.1	11.3	21.8	32.3	40.8
162.5°	2.1	10.5	19.0	26.7	34.5
165°	2.1	9.1	16.2	21.8	28.1
167.5°	2.1	7.0	13.4	16.9	23.2
170°	2.1	5.6	10.5	12.0	17.6
172.5°	2.1	4.2	7.7	8.4	9.1
175°	2.1	3.5	4.9	4.9	2.8
177.5°	2.1	2.8	2.8	2.8	1.4
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)