

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: P565774

Luminaire Tested: **2SNX-44HL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565774
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-L930-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

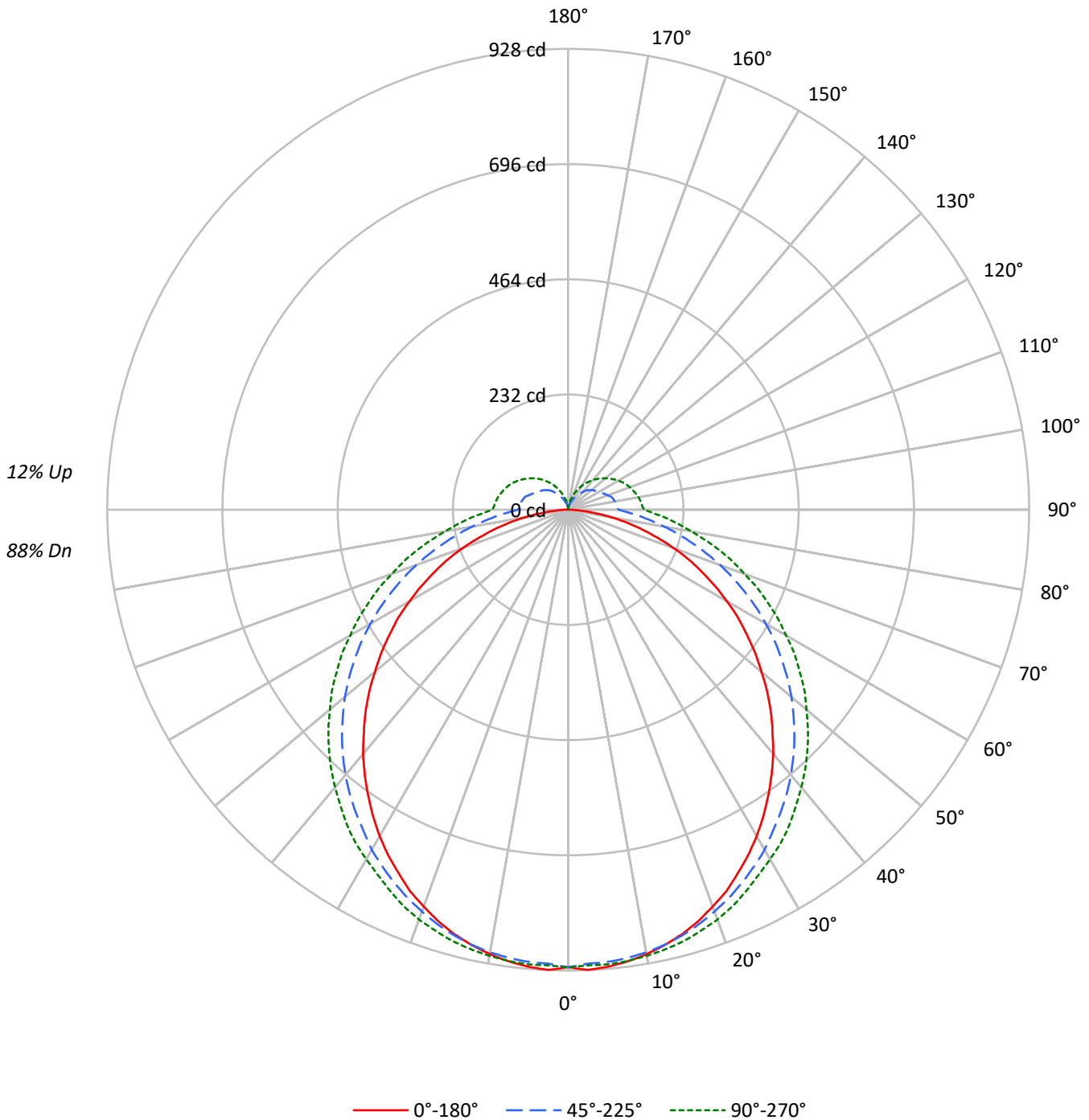
Lumens per Lamp: N/A
Luminaire Lumens: 3317.0 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

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: P565774

CATALOG NUMBER: 2SNX-44HL-SLW-UNV-L930-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°	19834	19834	19834
5°	19887	19306	19301
10°	19722	18901	18838
15°	19507	18469	18404
20°	19190	17997	17950
25°	18821	17526	17432
30°	18423	17055	16955
35°	17931	16528	16545
40°	17446	16046	16043
45°	16870	15513	15568
50°	16205	14948	15022
55°	15558	14289	14477
60°	14806	13575	13851
65°	13897	12764	13184
70°	12741	11851	12416
75°	11127	10803	11713
80°	8891	9753	10820
85°	5713	8795	10241



TEST NUMBER: P565774

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	2.6
10°-20°	251.6	7.6
20°-30°	382.8	11.5
30°-40°	465.4	14.0
40°-50°	492.4	14.8
50°-60°	461.5	13.9
60°-70°	379.7	11.4
70°-80°	262.7	7.9
80°-90°	146.1	4.4
90°-100°	96.2	2.9
100°-110°	86.3	2.6
110°-120°	71.4	2.2
120°-130°	55.2	1.7
130°-140°	39.1	1.2
140°-150°	23.6	0.7
150°-160°	11.3	0.3
160°-170°	3.7	0.1
170°-180°	0.5	0.0
0°-30°	721.8	21.8
0°-40°	1187.2	35.8
0°-60°	2141.1	64.6
0°-90°	2929.6	88.3
90°-120°	254.0	7.7
90°-150°	371.9	11.2
90°-180°	387.0	11.7
0°-180°	3317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	921	921	921	921	921	
5°	924	922	914	921	919	88
15°	885	888	887	899	899	249
25°	808	819	829	847	848	372
35°	702	721	745	769	776	439
45°	577	607	644	673	681	445
55°	439	478	524	557	569	393
65°	297	340	392	431	443	295
75°	154	199	258	299	315	164
85°	34	85	143	183	199	39
90°	1	48	101	139	153	2
95°	1	45	98	135	148	0
105°	1	39	92	127	138	1
115°	1	34	78	112	125	1
125°	1	29	66	96	108	1
135°	1	23	56	79	89	1
145°	1	16	39	60	67	1
155°	2	11	24	38	44	1
165°	2	7	13	18	23	0
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



TEST NUMBER: P565774

CATALOG NUMBER: 2SNX-44HL-SLW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	921.3	921.3	921.3	921.3	921.3
2.5°	927.6	924.7	915.1	921.3	918.5
5°	923.6	921.9	914.0	921.3	919.1
7.5°	917.4	916.8	910.5	919.1	916.8
10°	908.8	910.0	904.9	914.0	912.2
12.5°	898.0	899.7	897.5	907.7	906.6
15°	885.0	887.8	887.3	899.2	899.2
17.5°	869.1	873.1	875.3	889.0	889.0
20°	850.3	856.6	861.1	875.9	878.2
22.5°	831.6	839.0	845.8	861.1	864.5
25°	807.7	819.1	828.7	846.9	847.5
27.5°	784.4	796.9	810.0	827.6	829.3
30°	758.9	774.8	790.7	807.7	812.8
32.5°	731.6	749.2	766.8	789.6	796.4
35°	702.1	720.8	745.2	769.1	775.9
37.5°	672.5	693.6	722.0	746.4	752.6
40°	642.4	665.7	697.5	722.5	729.9
42.5°	608.9	637.3	671.4	698.1	706.6
45°	577.1	607.2	644.1	673.1	681.1
47.5°	543.6	575.4	615.2	645.8	654.9
50°	507.8	544.2	586.8	617.4	626.0
52.5°	474.3	511.2	556.1	587.9	599.8
55°	439.1	478.3	524.3	557.2	568.6
57.5°	406.1	443.6	493.0	526.0	540.2
60°	368.6	410.1	459.5	495.3	506.7
62.5°	333.4	375.5	426.6	463.5	476.6
65°	297.1	339.7	392.5	431.1	443.1
67.5°	263.0	305.0	359.0	397.0	412.4
70°	225.5	269.8	324.9	364.1	377.2
72.5°	188.6	234.6	290.8	332.9	347.6
75°	154.5	199.4	257.9	298.8	315.3
77.5°	121.6	167.0	226.1	268.1	282.3
80°	88.6	136.3	196.5	238.0	251.6
82.5°	58.5	108.5	168.1	209.6	224.4
85°	34.1	84.6	143.1	182.9	198.8
87.5°	14.8	64.2	119.9	159.0	172.1
90°	0.6	47.7	101.1	139.2	152.8
92.5°	0.6	46.6	98.8	136.3	149.4
95°	0.6	45.4	98.3	134.6	147.7
97.5°	0.6	44.9	97.1	133.5	146.0
100°	0.6	43.2	95.4	131.2	143.7
102.5°	0.6	40.9	93.7	128.9	140.9
105°	0.6	39.2	92.0	126.7	138.0
107.5°	0.6	37.5	89.2	123.8	135.2
110°	0.6	35.8	84.6	121.0	132.3



TEST NUMBER: P565774

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	35.2	81.2	117.0	128.9
115°	1.1	34.1	77.8	112.5	125.0
117.5°	1.1	33.5	75.0	107.9	121.0
120°	1.1	31.8	72.1	103.9	116.4
122.5°	1.1	30.1	69.3	100.0	112.5
125°	1.1	29.0	66.5	96.0	107.9
127.5°	1.1	27.3	64.2	92.0	102.8
130°	1.1	26.1	61.3	87.5	98.3
132.5°	1.1	24.4	58.5	82.9	93.2
135°	1.1	22.7	55.7	79.0	88.6
137.5°	1.1	20.4	52.3	74.4	83.5
140°	1.1	18.7	47.7	69.9	78.4
142.5°	1.1	17.6	43.2	64.8	72.7
145°	1.1	16.5	38.6	59.6	67.0
147.5°	1.1	15.3	34.6	54.5	61.3
150°	1.1	13.6	30.7	50.0	55.7
152.5°	1.7	12.5	27.3	44.3	50.0
155°	1.7	11.4	23.9	38.1	44.3
157.5°	1.7	10.2	20.4	31.8	38.6
160°	1.7	9.1	17.6	26.1	32.9
162.5°	1.7	8.5	15.3	21.6	27.8
165°	1.7	7.4	13.1	17.6	22.7
167.5°	1.7	5.7	10.8	13.6	18.7
170°	1.7	4.5	8.5	9.7	14.2
172.5°	1.7	3.4	6.2	6.8	7.4
175°	1.7	2.8	4.0	4.0	2.3
177.5°	1.7	2.3	2.3	2.3	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)