

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: P565745

Luminaire Tested: **2SNX-44HL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565745
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-FDL-UNV-L950-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

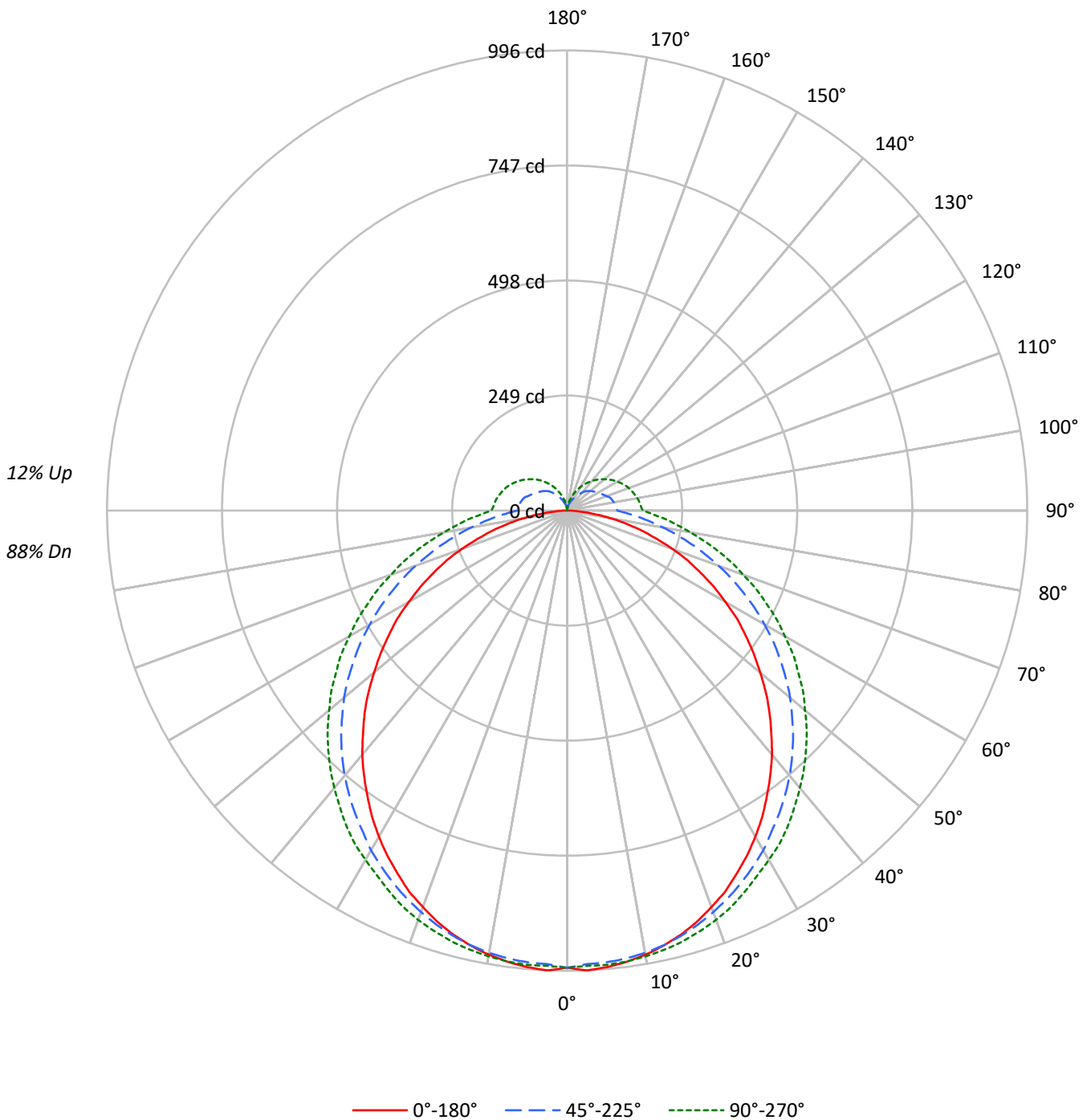
Lumens per Lamp: N/A
Luminaire Lumens: 3562.0 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Semi-Direct

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

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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°	21300	21300	21300
5°	21394	20967	21020
10°	21257	20756	20803
15°	21062	20507	20601
20°	20761	20209	20368
25°	20405	19910	20059
30°	20016	19606	19794
35°	19528	19246	19609
40°	19055	18944	19324
45°	18482	18594	19086
50°	17820	18223	18782
55°	17185	17767	18511
60°	16452	17280	18179
65°	15555	16718	17855
70°	14419	16097	17485
75°	12804	15408	17358
80°	10555	14938	17221
85°	7302	15093	18153



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	2.6
10°-20°	270.2	7.6
20°-30°	411.0	11.5
30°-40°	499.8	14.0
40°-50°	528.7	14.8
50°-60°	495.6	13.9
60°-70°	407.7	11.4
70°-80°	282.1	7.9
80°-90°	156.9	4.4
90°-100°	103.3	2.9
100°-110°	92.7	2.6
110°-120°	76.7	2.2
120°-130°	59.3	1.7
130°-140°	42.0	1.2
140°-150°	25.3	0.7
150°-160°	12.2	0.3
160°-170°	4.0	0.1
170°-180°	0.5	0.0
0°-30°	775.1	21.8
0°-40°	1274.9	35.8
0°-60°	2299.3	64.6
0°-90°	3146.0	88.3
90°-120°	272.7	7.7
90°-150°	399.3	11.2
90°-180°	416.0	11.7
0°-180°	3562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	989	989	989	989	989	
5°	992	990	982	989	987	94
15°	950	953	953	966	966	268
25°	867	880	890	910	910	400
35°	754	774	800	826	833	472
45°	620	652	692	723	731	478
55°	472	514	563	598	611	422
65°	319	365	422	463	476	316
75°	166	214	277	321	338	176
85°	37	91	154	196	214	42
90°	1	51	109	149	164	2
95°	1	49	106	145	159	0
105°	1	42	99	136	148	1
115°	1	37	84	121	134	1
125°	1	31	71	103	116	1
135°	1	24	60	85	95	1
145°	1	18	42	64	72	1
155°	2	12	26	41	48	1
165°	2	8	14	19	24	1
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°	989.4	989.4	989.4	989.4	989.4
2.5°	996.1	993.0	982.7	989.4	986.3
5°	991.8	990.0	981.5	989.4	986.9
7.5°	985.1	984.5	977.8	986.9	984.5
10°	976.0	977.2	971.7	981.5	979.6
12.5°	964.4	966.2	963.8	974.7	973.5
15°	950.3	953.4	952.8	965.6	965.6
17.5°	933.3	937.5	940.0	954.6	954.6
20°	913.1	919.8	924.7	940.6	943.0
22.5°	893.0	900.9	908.3	924.7	928.4
25°	867.4	879.6	890.0	909.5	910.1
27.5°	842.4	855.8	869.8	888.7	890.6
30°	814.9	832.0	849.1	867.4	872.9
32.5°	785.7	804.6	823.5	847.9	855.2
35°	753.9	774.1	800.3	825.9	833.2
37.5°	722.2	744.8	775.3	801.5	808.2
40°	689.9	714.9	749.1	775.9	783.8
42.5°	653.9	684.4	721.0	749.7	758.8
45°	619.7	652.1	691.7	722.8	731.4
47.5°	583.7	617.9	660.6	693.5	703.3
50°	545.3	584.4	630.1	663.0	672.2
52.5°	509.3	549.0	597.2	631.3	644.1
55°	471.5	513.6	563.0	598.4	610.6
57.5°	436.1	476.4	529.5	564.8	580.1
60°	395.9	440.4	493.5	531.9	544.1
62.5°	358.1	403.2	458.1	497.7	511.8
65°	319.0	364.8	421.5	463.0	475.8
67.5°	282.4	327.6	385.5	426.4	442.8
70°	242.2	289.7	348.9	391.0	405.0
72.5°	202.5	251.9	312.3	357.4	373.3
75°	165.9	214.1	276.9	320.8	338.5
77.5°	130.5	179.3	242.8	287.9	303.2
80°	95.2	146.4	211.1	255.6	270.2
82.5°	62.8	116.5	180.6	225.1	240.9
85°	36.6	90.9	153.7	196.4	213.5
87.5°	15.9	68.9	128.7	170.8	184.8
90°	0.6	51.2	108.6	149.4	164.1
92.5°	0.6	50.0	106.1	146.4	160.4
95°	0.6	48.8	105.5	144.6	158.6
97.5°	0.6	48.2	104.3	143.3	156.8
100°	0.6	46.4	102.5	140.9	154.3
102.5°	0.6	43.9	100.6	138.5	151.3
105°	0.6	42.1	98.8	136.0	148.2
107.5°	0.6	40.3	95.8	133.0	145.2
110°	0.6	38.4	90.9	129.9	142.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	37.8	87.2	125.7	138.5
115°	1.2	36.6	83.6	120.8	134.2
117.5°	1.2	36.0	80.5	115.9	129.9
120°	1.2	34.2	77.5	111.6	125.0
122.5°	1.2	32.3	74.4	107.4	120.8
125°	1.2	31.1	71.4	103.1	115.9
127.5°	1.2	29.3	68.9	98.8	110.4
130°	1.2	28.1	65.9	93.9	105.5
132.5°	1.2	26.2	62.8	89.1	100.0
135°	1.2	24.4	59.8	84.8	95.2
137.5°	1.2	22.0	56.1	79.9	89.7
140°	1.2	20.1	51.2	75.0	84.2
142.5°	1.2	18.9	46.4	69.5	78.1
145°	1.2	17.7	41.5	64.0	72.0
147.5°	1.2	16.5	37.2	58.6	65.9
150°	1.2	14.6	32.9	53.7	59.8
152.5°	1.8	13.4	29.3	47.6	53.7
155°	1.8	12.2	25.6	40.9	47.6
157.5°	1.8	11.0	22.0	34.2	41.5
160°	1.8	9.8	18.9	28.1	35.4
162.5°	1.8	9.1	16.5	23.2	29.9
165°	1.8	7.9	14.0	18.9	24.4
167.5°	1.8	6.1	11.6	14.6	20.1
170°	1.8	4.9	9.1	10.4	15.2
172.5°	1.8	3.7	6.7	7.3	7.9
175°	1.8	3.0	4.3	4.3	2.4
177.5°	1.8	2.4	2.4	2.4	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)