

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: P565755

Luminaire Tested: **2SNX-44HL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565755
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-44HL-LN-UNV-L835-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

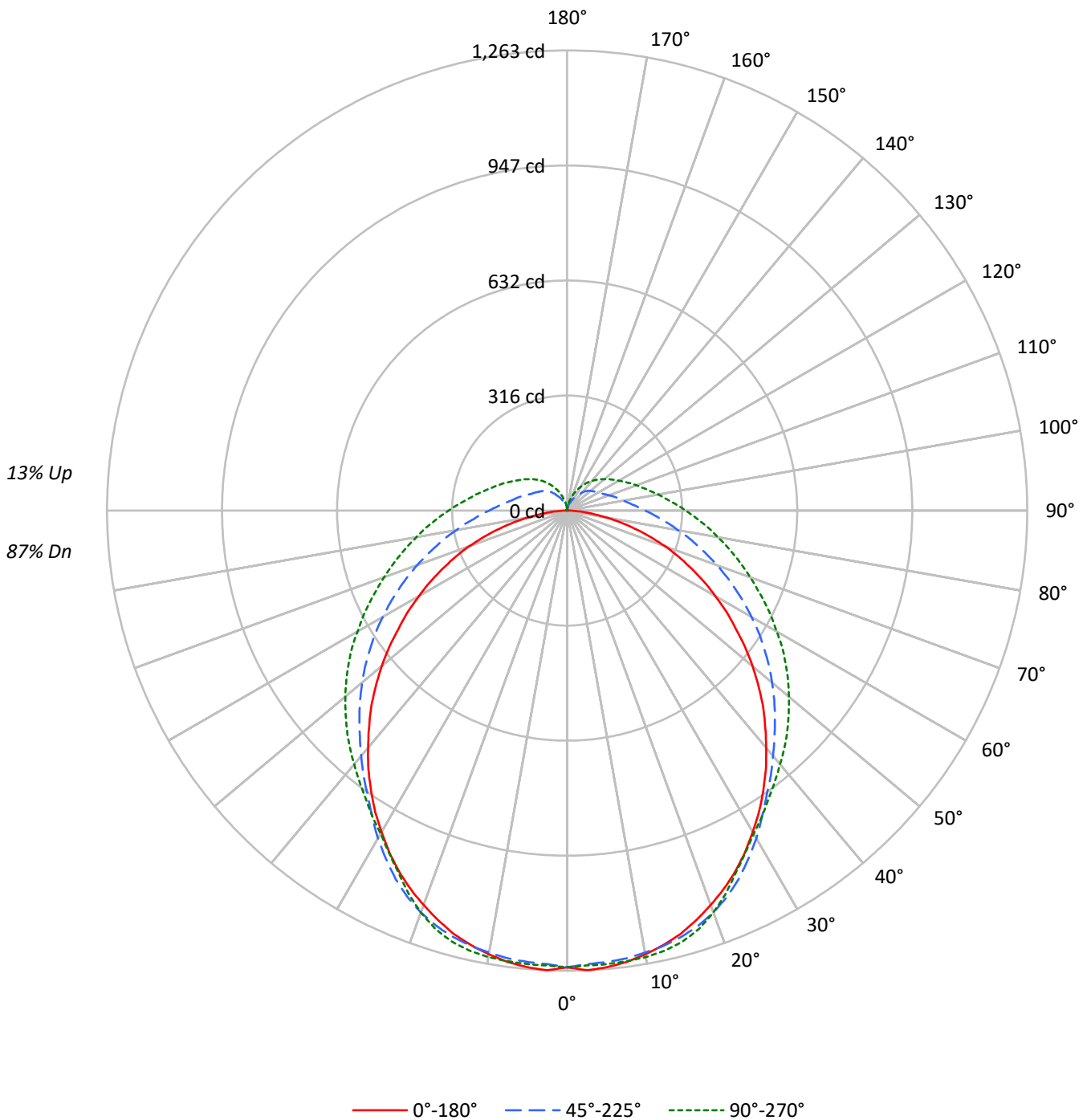
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4525.0 lumens
Efficiency: N/A
Efficacy: 145.5 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): 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	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°	26985	26985	26985
5°	26991	25681	25518
10°	26641	24628	24339
15°	26224	23638	23153
20°	25619	22538	21638
25°	24978	21228	19863
30°	24163	19768	18382
35°	23297	18288	17277
40°	22326	17097	16383
45°	21364	16041	15611
50°	20238	15067	14833
55°	18937	14089	14072
60°	17665	13119	13274
65°	16245	12141	12546
70°	14617	11220	11885
75°	12220	10324	11341
80°	9168	9540	10881
85°	5528	8961	10616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	2.6
10°-20°	342.4	7.6
20°-30°	509.8	11.3
30°-40°	601.6	13.3
40°-50°	627.4	13.9
50°-60°	589.6	13.0
60°-70°	497.9	11.0
70°-80°	376.2	8.3
80°-90°	259.3	5.7
90°-100°	181.5	4.0
100°-110°	135.4	3.0
110°-120°	102.1	2.3
120°-130°	76.1	1.7
130°-140°	53.4	1.2
140°-150°	32.3	0.7
150°-160°	15.5	0.3
160°-170°	5.0	0.1
170°-180°	0.6	0.0
0°-30°	971.3	21.5
0°-40°	1572.8	34.8
0°-60°	2789.8	61.7
0°-90°	3923.1	86.7
90°-120°	419.0	9.3
90°-150°	580.8	12.8
90°-180°	602.0	13.3
0°-180°	4525.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1254	1254	1254	1254	1254	
5°	1258	1256	1244	1253	1250	119
15°	1203	1208	1211	1227	1224	339
25°	1092	1115	1115	1105	1096	503
35°	938	973	954	962	964	587
45°	760	798	806	839	855	585
55°	565	613	660	713	732	507
65°	376	436	509	576	598	373
75°	193	267	370	447	476	205
85°	44	137	256	341	370	49
90°	1	97	214	296	325	3
95°	1	76	181	259	286	1
105°	2	54	140	202	226	1
115°	2	47	108	161	182	2
125°	2	40	91	132	149	2
135°	2	31	76	107	120	2
145°	3	22	53	82	92	2
155°	3	15	32	52	61	1
165°	4	9	17	23	31	1
175°	4	4	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1253.5	1253.5	1253.5	1253.5	1253.5
2.5°	1262.7	1259.6	1245.8	1253.5	1249.7
5°	1258.1	1255.8	1243.5	1252.7	1249.7
7.5°	1249.7	1248.9	1239.7	1250.4	1247.4
10°	1236.6	1238.9	1232.0	1246.6	1244.3
12.5°	1221.3	1225.9	1223.6	1239.7	1237.4
15°	1202.9	1208.2	1211.3	1226.7	1224.4
17.5°	1178.3	1188.3	1195.2	1207.5	1203.6
20°	1152.2	1166.1	1173.7	1179.9	1173.7
22.5°	1123.9	1142.3	1146.9	1143.8	1137.7
25°	1092.4	1114.7	1114.7	1104.7	1096.2
27.5°	1057.1	1084.7	1077.1	1065.6	1058.7
30°	1018.8	1051.8	1038.7	1025.7	1024.1
32.5°	980.4	1014.9	995.7	992.7	995.0
35°	938.2	972.7	954.3	962.0	964.3
37.5°	896.0	930.5	918.3	929.8	936.7
40°	850.0	886.8	879.1	899.9	909.1
42.5°	804.7	843.1	842.3	869.2	883.0
45°	760.2	797.8	806.3	839.3	854.6
47.5°	711.9	750.3	771.0	809.3	824.7
50°	664.3	705.8	734.2	777.1	794.8
52.5°	615.2	659.0	698.1	745.7	764.1
55°	564.6	612.9	659.7	712.7	731.9
57.5°	519.4	568.5	623.7	678.2	700.4
60°	469.5	524.0	584.6	642.1	664.3
62.5°	424.2	480.2	547.7	608.3	632.1
65°	375.9	435.7	509.4	576.1	598.4
67.5°	331.4	392.8	473.3	540.8	565.4
70°	285.4	350.6	438.0	509.4	534.7
72.5°	237.8	306.9	402.7	478.7	504.8
75°	192.6	267.0	369.8	447.2	475.6
77.5°	150.4	228.6	339.8	419.6	447.2
80°	108.9	194.1	308.4	391.2	419.6
82.5°	72.1	164.2	283.1	365.9	395.8
85°	43.7	137.3	256.2	340.6	370.5
87.5°	19.9	115.1	234.7	318.4	347.5
90°	0.8	97.4	214.0	296.1	325.3
92.5°	0.8	85.2	197.2	276.9	305.3
95°	0.8	75.9	181.0	259.3	286.1
97.5°	0.8	69.8	168.8	242.4	268.5
100°	0.8	63.7	156.5	227.1	253.9
102.5°	1.5	58.3	147.3	213.3	238.6
105°	1.5	54.5	139.6	202.5	225.5
107.5°	1.5	52.2	131.2	191.8	213.3
110°	1.5	49.9	122.0	181.0	202.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	48.3	115.1	171.8	192.6
115°	1.5	46.8	108.2	161.1	181.8
117.5°	1.5	46.0	104.3	152.7	172.6
120°	2.3	43.7	99.7	145.0	164.2
122.5°	2.3	41.4	95.1	138.9	155.7
125°	2.3	39.9	91.3	131.9	148.8
127.5°	2.3	37.6	87.5	125.8	141.2
130°	2.3	35.3	84.4	119.7	134.2
132.5°	2.3	33.0	80.5	113.5	127.3
135°	2.3	30.7	75.9	107.4	120.4
137.5°	2.3	28.4	71.3	101.3	113.5
140°	2.3	26.1	65.2	95.1	106.6
142.5°	2.3	23.8	59.1	89.0	99.0
145°	3.1	22.2	52.9	82.1	92.1
147.5°	3.1	19.9	46.8	75.2	83.6
150°	3.1	18.4	42.2	68.3	75.9
152.5°	3.1	16.1	37.6	60.6	68.3
155°	3.1	14.6	32.2	52.2	60.6
157.5°	3.1	13.0	27.6	43.7	52.9
160°	3.1	12.3	23.8	36.1	45.3
162.5°	3.8	10.7	19.9	29.2	37.6
165°	3.8	9.2	16.9	23.0	30.7
167.5°	3.8	7.7	13.8	17.6	23.8
170°	3.8	6.1	10.7	12.3	18.4
172.5°	3.8	4.6	7.7	8.4	9.2
175°	3.8	3.8	4.6	4.6	2.3
177.5°	3.8	3.8	3.1	2.3	0.8
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)