

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: P565773

Luminaire Tested: **2SNX-44HL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565773
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-L850-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

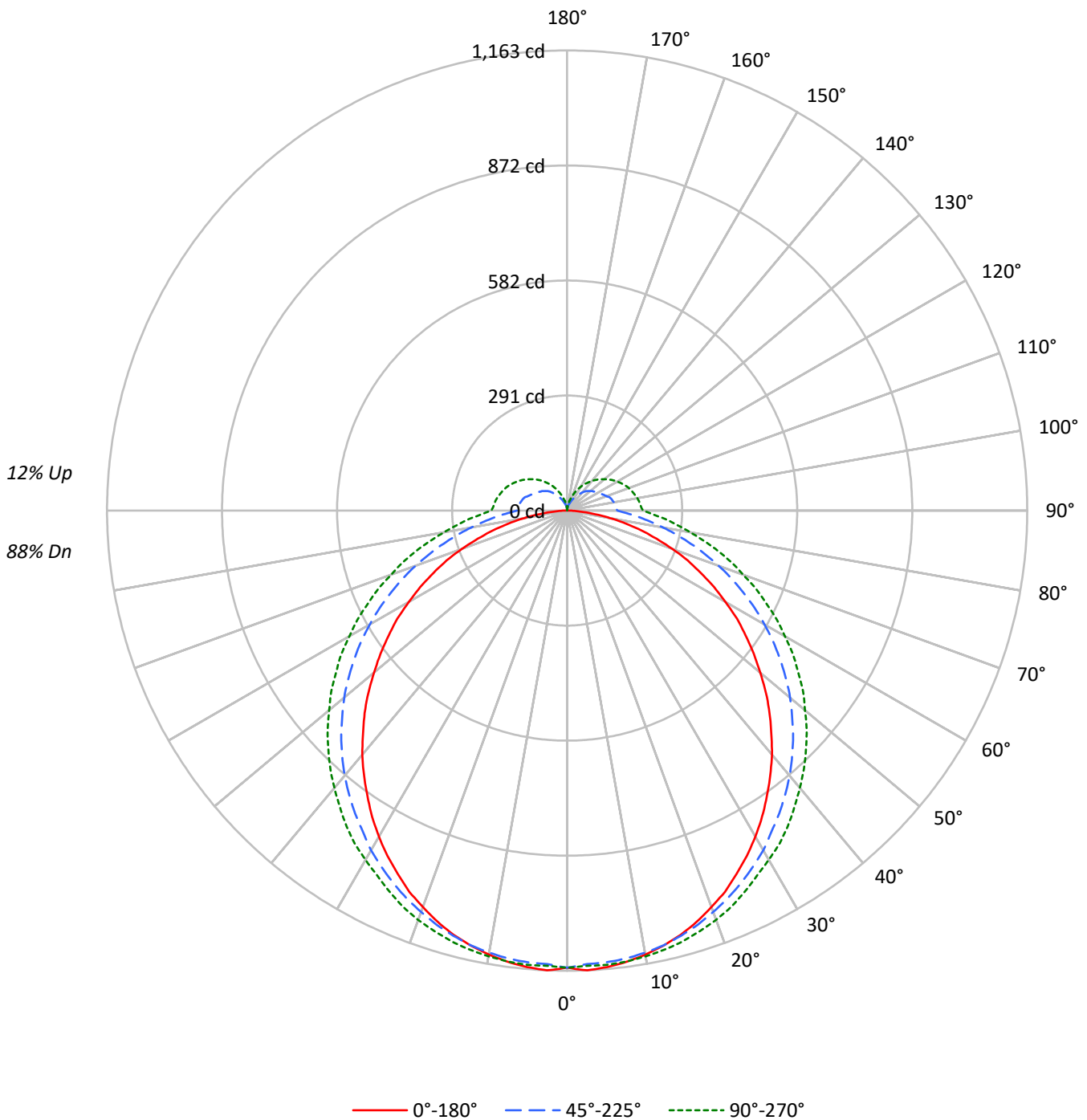
Lumens per Lamp: N/A
Luminaire Lumens: 4159.0 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 31.1
Input Voltage (V): NR
Input Current (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

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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	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°	24869	24869	24869
5°	24936	24206	24201
10°	24728	23699	23621
15°	24458	23156	23074
20°	24063	22566	22506
25°	23601	21976	21857
30°	23099	21384	21260
35°	22482	20724	20746
40°	21875	20120	20116
45°	21152	19450	19517
50°	20319	18741	18835
55°	19506	17916	18151
60°	18566	17022	17367
65°	17424	16003	16529
70°	15973	14860	15567
75°	13951	13543	14685
80°	11149	12230	13568
85°	7154	11033	12843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.7	2.6
10°-20°	315.5	7.6
20°-30°	479.9	11.5
30°-40°	583.5	14.0
40°-50°	617.4	14.8
50°-60°	578.7	13.9
60°-70°	476.1	11.4
70°-80°	329.4	7.9
80°-90°	183.2	4.4
90°-100°	120.7	2.9
100°-110°	108.2	2.6
110°-120°	89.6	2.2
120°-130°	69.2	1.7
130°-140°	49.0	1.2
140°-150°	29.6	0.7
150°-160°	14.2	0.3
160°-170°	4.6	0.1
170°-180°	0.6	0.0
0°-30°	905.1	21.8
0°-40°	1488.6	35.8
0°-60°	2684.7	64.6
0°-90°	3673.3	88.3
90°-120°	318.4	7.7
90°-150°	466.3	11.2
90°-180°	486.0	11.7
0°-180°	4159.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1155	1155	1155	1155	1155	
5°	1158	1156	1146	1155	1152	110
15°	1110	1113	1112	1127	1127	313
25°	1013	1027	1039	1062	1063	467
35°	880	904	934	964	973	551
45°	724	761	808	844	854	558
55°	550	600	657	699	713	493
65°	372	426	492	541	556	369
75°	194	250	323	375	395	206
85°	43	106	180	229	249	49
90°	1	60	127	174	192	3
95°	1	57	123	169	185	1
105°	1	49	115	159	173	1
115°	1	43	98	141	157	1
125°	1	36	83	120	135	1
135°	1	28	70	99	111	1
145°	1	21	48	75	84	1
155°	2	14	30	48	56	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°	1155.2	1155.2	1155.2	1155.2	1155.2
2.5°	1163.0	1159.5	1147.4	1155.2	1151.6
5°	1158.1	1155.9	1146.0	1155.2	1152.4
7.5°	1150.2	1149.5	1141.7	1152.4	1149.5
10°	1139.5	1141.0	1134.6	1146.0	1143.8
12.5°	1126.0	1128.1	1125.3	1138.1	1136.7
15°	1109.6	1113.2	1112.5	1127.4	1127.4
17.5°	1089.7	1094.7	1097.5	1114.6	1114.6
20°	1066.2	1074.0	1079.7	1098.2	1101.1
22.5°	1042.7	1051.9	1060.5	1079.7	1084.0
25°	1012.8	1027.0	1039.1	1061.9	1062.6
27.5°	983.6	999.2	1015.6	1037.7	1039.8
30°	951.5	971.5	991.4	1012.8	1019.2
32.5°	917.3	939.4	961.5	990.0	998.5
35°	880.3	903.8	934.4	964.3	972.9
37.5°	843.3	869.6	905.2	935.8	943.7
40°	805.5	834.7	874.6	905.9	915.2
42.5°	763.5	799.1	841.8	875.3	886.0
45°	723.6	761.4	807.6	844.0	853.9
47.5°	681.6	721.5	771.3	809.8	821.2
50°	636.7	682.3	735.7	774.2	784.9
52.5°	594.7	641.0	697.3	737.1	752.1
55°	550.5	599.7	657.4	698.7	712.9
57.5°	509.2	556.2	618.2	659.5	677.3
60°	462.2	514.2	576.2	621.0	635.3
62.5°	418.1	470.8	534.9	581.2	597.5
65°	372.5	425.9	492.1	540.6	555.5
67.5°	329.8	382.5	450.1	497.8	517.1
70°	282.7	338.3	407.4	456.5	472.9
72.5°	236.5	294.1	364.7	417.4	435.9
75°	193.7	250.0	323.3	374.6	395.3
77.5°	152.4	209.4	283.5	336.2	354.0
80°	111.1	170.9	246.4	298.4	315.5
82.5°	73.4	136.0	210.8	262.8	281.3
85°	42.7	106.1	179.5	229.3	249.3
87.5°	18.5	80.5	150.3	199.4	215.8
90°	0.7	59.8	126.8	174.5	191.6
92.5°	0.7	58.4	123.9	170.9	187.3
95°	0.7	57.0	123.2	168.8	185.2
97.5°	0.7	56.3	121.8	167.4	183.0
100°	0.7	54.1	119.7	164.5	180.2
102.5°	0.7	51.3	117.5	161.7	176.6
105°	0.7	49.1	115.4	158.8	173.1
107.5°	0.7	47.0	111.8	155.3	169.5
110°	0.7	44.9	106.1	151.7	165.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	44.2	101.8	146.7	161.7
115°	1.4	42.7	97.6	141.0	156.7
117.5°	1.4	42.0	94.0	135.3	151.7
120°	1.4	39.9	90.5	130.3	146.0
122.5°	1.4	37.7	86.9	125.3	141.0
125°	1.4	36.3	83.3	120.4	135.3
127.5°	1.4	34.2	80.5	115.4	128.9
130°	1.4	32.8	76.9	109.7	123.2
132.5°	1.4	30.6	73.4	104.0	116.8
135°	1.4	28.5	69.8	99.0	111.1
137.5°	1.4	25.6	65.5	93.3	104.7
140°	1.4	23.5	59.8	87.6	98.3
142.5°	1.4	22.1	54.1	81.2	91.2
145°	1.4	20.7	48.4	74.8	84.0
147.5°	1.4	19.2	43.4	68.4	76.9
150°	1.4	17.1	38.5	62.7	69.8
152.5°	2.1	15.7	34.2	55.6	62.7
155°	2.1	14.2	29.9	47.7	55.6
157.5°	2.1	12.8	25.6	39.9	48.4
160°	2.1	11.4	22.1	32.8	41.3
162.5°	2.1	10.7	19.2	27.1	34.9
165°	2.1	9.3	16.4	22.1	28.5
167.5°	2.1	7.1	13.5	17.1	23.5
170°	2.1	5.7	10.7	12.1	17.8
172.5°	2.1	4.3	7.8	8.5	9.3
175°	2.1	3.6	5.0	5.0	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)