

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: P567033

Luminaire Tested: **4SNX-93HL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567033
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: 4SNX-93HL-SLW-UNV-L850-CD
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

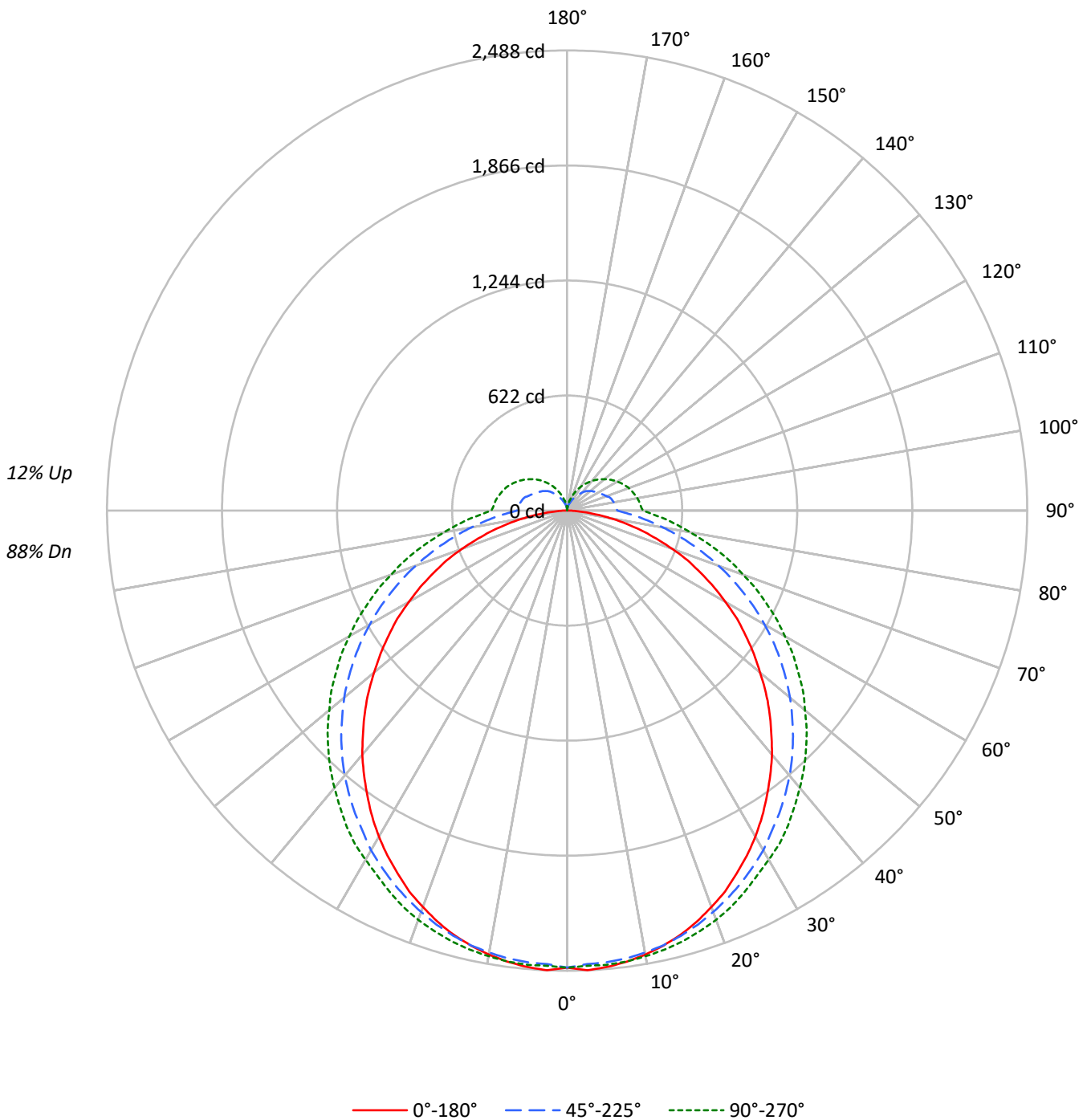
Lumens per Lamp: N/A
Luminaire Lumens: 8896.0 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 67.4
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°	26598	26598	26598
5°	26717	25920	25882
10°	26544	25407	25262
15°	26303	24856	24679
20°	25927	24253	24070
25°	25482	23647	23376
30°	24997	23039	22737
35°	24388	22359	22187
40°	23796	21736	21514
45°	23082	21047	20875
50°	22256	20314	20143
55°	21463	19456	19412
60°	20546	18527	18574
65°	19427	17468	17679
70°	18007	16273	16648
75°	15996	14896	15705
80°	13183	13532	14512
85°	9124	12312	13734



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.6	2.6
10°-20°	674.8	7.6
20°-30°	1026.5	11.5
30°-40°	1248.2	14.0
40°-50°	1320.5	14.8
50°-60°	1237.8	13.9
60°-70°	1018.3	11.4
70°-80°	704.6	7.9
80°-90°	391.8	4.4
90°-100°	258.1	2.9
100°-110°	231.5	2.6
110°-120°	191.6	2.2
120°-130°	148.1	1.7
130°-140°	104.8	1.2
140°-150°	63.2	0.7
150°-160°	30.4	0.3
160°-170°	9.9	0.1
170°-180°	1.2	0.0
0°-30°	1935.9	21.8
0°-40°	3184.1	35.8
0°-60°	5742.4	64.6
0°-90°	7857.1	88.3
90°-120°	681.1	7.7
90°-150°	997.3	11.2
90°-180°	1039.0	11.7
0°-180°	8896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2471	2471	2471	2471	2471	
5°	2477	2472	2451	2471	2465	235
15°	2374	2381	2380	2412	2412	669
25°	2166	2197	2223	2271	2273	999
35°	1883	1933	1999	2063	2081	1178
45°	1548	1628	1728	1805	1827	1193
55°	1178	1283	1406	1494	1525	1054
65°	797	911	1053	1156	1188	790
75°	414	535	692	801	846	440
85°	91	227	384	490	533	105
90°	2	128	271	373	410	6
95°	2	122	264	361	396	1
105°	2	105	247	340	370	2
115°	3	91	209	302	335	2
125°	3	78	178	258	289	3
135°	3	61	149	212	238	2
145°	3	44	104	160	180	2
155°	5	30	64	102	119	2
165°	5	20	35	47	61	1
175°	5	8	11	11	6	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2471.0	2471.0	2471.0	2471.0	2471.0
2.5°	2487.7	2480.1	2454.2	2471.0	2463.3
5°	2477.1	2472.5	2451.2	2471.0	2464.9
7.5°	2460.3	2458.8	2442.0	2464.9	2458.8
10°	2437.4	2440.5	2426.8	2451.2	2446.6
12.5°	2408.5	2413.1	2407.0	2434.4	2431.4
15°	2373.5	2381.1	2379.6	2411.6	2411.6
17.5°	2330.8	2341.5	2347.6	2384.1	2384.1
20°	2280.5	2297.3	2309.5	2349.1	2355.2
22.5°	2230.3	2250.1	2268.4	2309.5	2318.6
25°	2166.3	2196.8	2222.6	2271.4	2272.9
27.5°	2103.8	2137.3	2172.4	2219.6	2224.2
30°	2035.3	2077.9	2120.6	2166.3	2180.0
32.5°	1962.1	2009.4	2056.6	2117.5	2135.8
35°	1882.9	1933.2	1998.7	2062.7	2081.0
37.5°	1803.7	1860.1	1936.2	2001.8	2018.5
40°	1723.0	1785.4	1870.7	1937.8	1957.6
42.5°	1633.1	1709.3	1800.7	1872.3	1895.1
45°	1547.8	1628.5	1727.5	1805.2	1826.6
47.5°	1457.9	1543.2	1649.8	1732.1	1756.5
50°	1361.9	1459.4	1573.7	1655.9	1678.8
52.5°	1272.0	1371.1	1491.4	1576.7	1608.7
55°	1177.6	1282.7	1406.1	1494.5	1524.9
57.5°	1089.2	1189.8	1322.3	1410.7	1448.8
60°	988.7	1099.9	1232.4	1328.4	1358.9
62.5°	894.2	1007.0	1144.1	1243.1	1278.1
65°	796.7	911.0	1052.7	1156.3	1188.3
67.5°	705.3	818.1	962.8	1064.9	1106.0
70°	604.8	723.6	871.4	976.5	1011.5
72.5°	505.8	629.2	780.0	892.7	932.3
75°	414.4	534.7	691.6	801.3	845.5
77.5°	326.0	447.9	606.3	719.0	757.1
80°	237.7	365.6	527.1	638.3	674.9
82.5°	156.9	291.0	450.9	562.1	601.7
85°	91.4	227.0	383.9	490.5	533.2
87.5°	39.6	172.1	321.4	426.6	461.6
90°	1.5	128.0	271.2	373.2	409.8
92.5°	1.5	124.9	265.1	365.6	400.7
95°	1.5	121.9	263.5	361.0	396.1
97.5°	1.5	120.3	260.5	358.0	391.5
100°	1.5	115.8	255.9	351.9	385.4
102.5°	1.5	109.7	251.4	345.8	377.8
105°	1.5	105.1	246.8	339.7	370.2
107.5°	1.5	100.5	239.2	332.1	362.6
110°	1.5	96.0	227.0	324.5	355.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	94.5	217.8	313.8	345.8
115°	3.0	91.4	208.7	301.6	335.1
117.5°	3.0	89.9	201.1	289.4	324.5
120°	3.0	85.3	193.5	278.8	312.3
122.5°	3.0	80.7	185.9	268.1	301.6
125°	3.0	77.7	178.2	257.5	289.4
127.5°	3.0	73.1	172.1	246.8	275.7
130°	3.0	70.1	164.5	234.6	263.5
132.5°	3.0	65.5	156.9	222.4	249.8
135°	3.0	60.9	149.3	211.8	237.7
137.5°	3.0	54.8	140.2	199.6	223.9
140°	3.0	50.3	128.0	187.4	210.2
142.5°	3.0	47.2	115.8	173.7	195.0
145°	3.0	44.2	103.6	160.0	179.8
147.5°	3.0	41.1	92.9	146.2	164.5
150°	3.0	36.6	82.3	134.1	149.3
152.5°	4.6	33.5	73.1	118.8	134.1
155°	4.6	30.5	64.0	102.1	118.8
157.5°	4.6	27.4	54.8	85.3	103.6
160°	4.6	24.4	47.2	70.1	88.4
162.5°	4.6	22.9	41.1	57.9	74.6
165°	4.6	19.8	35.0	47.2	60.9
167.5°	4.6	15.2	28.9	36.6	50.3
170°	4.6	12.2	22.9	25.9	38.1
172.5°	4.6	9.1	16.8	18.3	19.8
175°	4.6	7.6	10.7	10.7	6.1
177.5°	4.6	6.1	6.1	6.1	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)