

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: P565981

Luminaire Tested: **4SNX-100HL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565981
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-100HL-SLW-UNV-L950-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

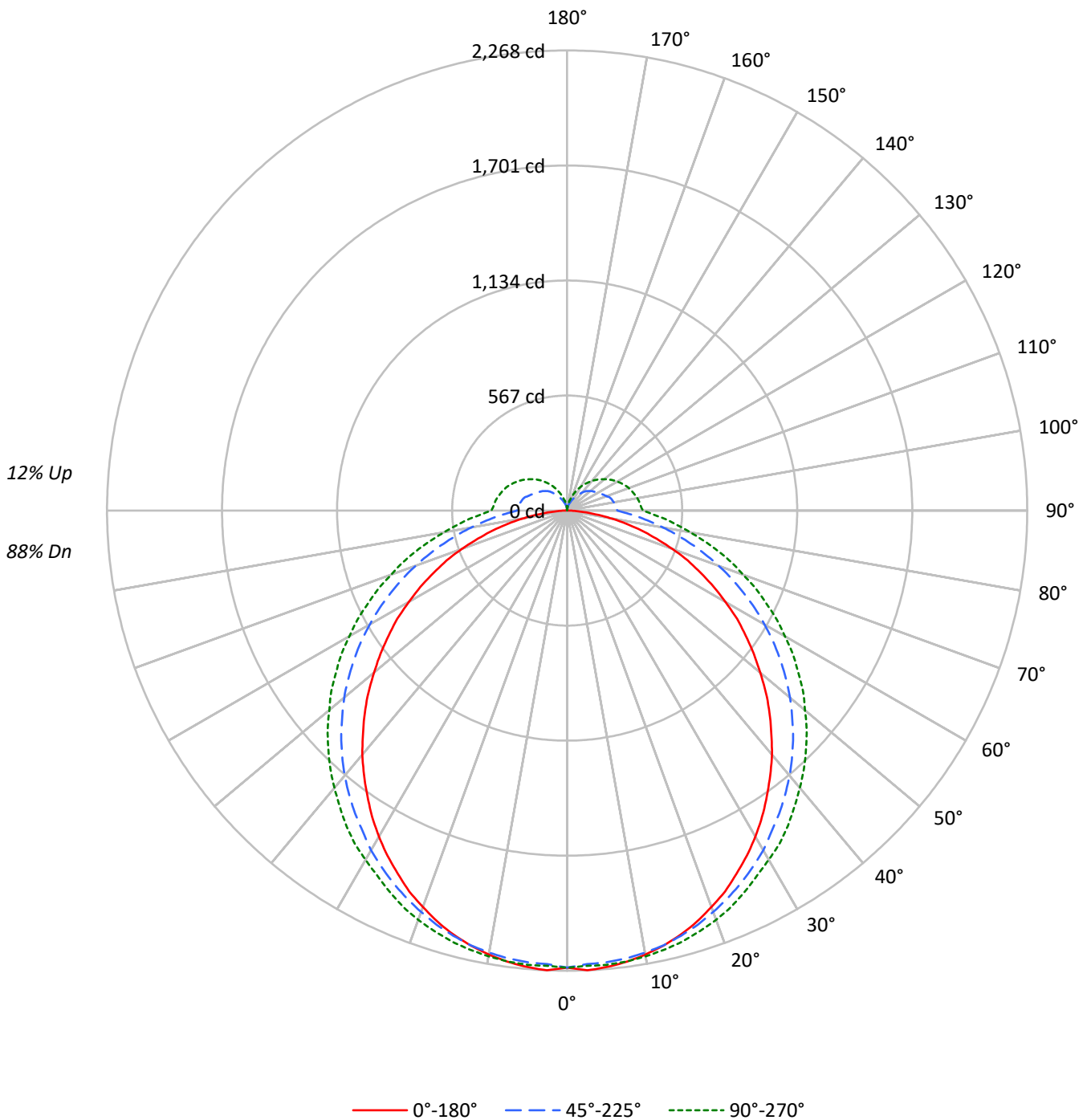
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8110.0 lumens
Efficiency: N/A
Efficacy: 111.9 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): 72.5
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	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°	24247	24247	24247
5°	24356	23629	23595
10°	24199	23163	23030
15°	23979	22659	22498
20°	23636	22110	21943
25°	23230	21558	21310
30°	22788	21003	20728
35°	22234	20383	20226
40°	21693	19817	19612
45°	21042	19188	19030
50°	20290	18519	18364
55°	19566	17738	17698
60°	18730	16890	16932
65°	17710	15925	16117
70°	16417	14835	15178
75°	14583	13580	14317
80°	12018	12335	13228
85°	8316	11224	12521



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.9	2.6
10°-20°	615.2	7.6
20°-30°	935.8	11.5
30°-40°	1137.9	14.0
40°-50°	1203.9	14.8
50°-60°	1128.4	13.9
60°-70°	928.3	11.4
70°-80°	642.3	7.9
80°-90°	357.2	4.4
90°-100°	235.3	2.9
100°-110°	211.0	2.6
110°-120°	174.7	2.2
120°-130°	135.0	1.7
130°-140°	95.6	1.2
140°-150°	57.7	0.7
150°-160°	27.7	0.3
160°-170°	9.1	0.1
170°-180°	1.1	0.0
0°-30°	1764.9	21.8
0°-40°	2902.7	35.8
0°-60°	5235.0	64.6
0°-90°	7162.9	88.3
90°-120°	621.0	7.7
90°-150°	909.2	11.2
90°-180°	947.0	11.7
0°-180°	8110.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2253	2253	2253	2253	2253	
5°	2258	2254	2235	2253	2247	214
15°	2164	2171	2169	2198	2198	610
25°	1975	2003	2026	2071	2072	910
35°	1717	1762	1822	1880	1897	1074
45°	1411	1485	1575	1646	1665	1088
55°	1074	1169	1282	1362	1390	961
65°	726	830	960	1054	1083	720
75°	378	488	630	730	771	401
85°	83	207	350	447	486	96
90°	1	117	247	340	374	6
95°	1	111	240	329	361	1
105°	1	96	225	310	338	1
115°	3	83	190	275	306	2
125°	3	71	162	235	264	3
135°	3	56	136	193	217	2
145°	3	40	94	146	164	2
155°	4	28	58	93	108	2
165°	4	18	32	43	56	1
175°	4	7	10	10	6	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2252.6	2252.6	2252.6	2252.6	2252.6
2.5°	2267.9	2261.0	2237.4	2252.6	2245.7
5°	2258.2	2254.0	2234.6	2252.6	2247.1
7.5°	2242.9	2241.5	2226.3	2247.1	2241.5
10°	2222.1	2224.9	2212.4	2234.6	2230.4
12.5°	2195.7	2199.9	2194.3	2219.3	2216.5
15°	2163.8	2170.7	2169.3	2198.5	2198.5
17.5°	2124.9	2134.6	2140.2	2173.5	2173.5
20°	2079.0	2094.3	2105.4	2141.5	2147.1
22.5°	2033.2	2051.3	2067.9	2105.4	2113.8
25°	1974.9	2002.7	2026.3	2070.7	2072.1
27.5°	1917.9	1948.5	1980.4	2023.5	2027.7
30°	1855.4	1894.3	1933.2	1974.9	1987.4
32.5°	1788.8	1831.8	1874.9	1930.4	1947.1
35°	1716.6	1762.4	1822.1	1880.4	1897.1
37.5°	1644.3	1695.7	1765.2	1824.9	1840.2
40°	1570.7	1627.7	1705.5	1766.6	1784.6
42.5°	1488.8	1558.2	1641.6	1706.8	1727.7
45°	1411.0	1484.6	1574.9	1645.7	1665.2
47.5°	1329.1	1406.9	1504.1	1579.1	1601.3
50°	1241.6	1330.5	1434.6	1509.6	1530.5
52.5°	1159.7	1249.9	1359.6	1437.4	1466.6
55°	1073.5	1169.4	1281.9	1362.4	1390.2
57.5°	993.0	1084.7	1205.5	1286.0	1320.8
60°	901.3	1002.7	1123.5	1211.0	1238.8
62.5°	815.2	918.0	1043.0	1133.3	1165.2
65°	726.3	830.5	959.7	1054.1	1083.3
67.5°	643.0	745.8	877.7	970.8	1008.3
70°	551.4	659.7	794.4	890.2	922.2
72.5°	461.1	573.6	711.1	813.8	849.9
75°	377.8	487.5	630.5	730.5	770.8
77.5°	297.2	408.3	552.7	655.5	690.2
80°	216.7	333.3	480.5	581.9	615.2
82.5°	143.0	265.3	411.1	512.5	548.6
85°	83.3	206.9	350.0	447.2	486.1
87.5°	36.1	156.9	293.0	388.9	420.8
90°	1.4	116.7	247.2	340.3	373.6
92.5°	1.4	113.9	241.7	333.3	365.3
95°	1.4	111.1	240.3	329.1	361.1
97.5°	1.4	109.7	237.5	326.4	356.9
100°	1.4	105.5	233.3	320.8	351.4
102.5°	1.4	100.0	229.2	315.3	344.4
105°	1.4	95.8	225.0	309.7	337.5
107.5°	1.4	91.7	218.0	302.8	330.5
110°	1.4	87.5	206.9	295.8	323.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	86.1	198.6	286.1	315.3
115°	2.8	83.3	190.3	275.0	305.5
117.5°	2.8	81.9	183.3	263.9	295.8
120°	2.8	77.8	176.4	254.2	284.7
122.5°	2.8	73.6	169.4	244.4	275.0
125°	2.8	70.8	162.5	234.7	263.9
127.5°	2.8	66.7	156.9	225.0	251.4
130°	2.8	63.9	150.0	213.9	240.3
132.5°	2.8	59.7	143.0	202.8	227.8
135°	2.8	55.6	136.1	193.0	216.7
137.5°	2.8	50.0	127.8	181.9	204.2
140°	2.8	45.8	116.7	170.8	191.7
142.5°	2.8	43.1	105.5	158.3	177.8
145°	2.8	40.3	94.4	145.8	163.9
147.5°	2.8	37.5	84.7	133.3	150.0
150°	2.8	33.3	75.0	122.2	136.1
152.5°	4.2	30.6	66.7	108.3	122.2
155°	4.2	27.8	58.3	93.1	108.3
157.5°	4.2	25.0	50.0	77.8	94.4
160°	4.2	22.2	43.1	63.9	80.6
162.5°	4.2	20.8	37.5	52.8	68.1
165°	4.2	18.1	31.9	43.1	55.6
167.5°	4.2	13.9	26.4	33.3	45.8
170°	4.2	11.1	20.8	23.6	34.7
172.5°	4.2	8.3	15.3	16.7	18.1
175°	4.2	6.9	9.7	9.7	5.6
177.5°	4.2	5.6	5.6	5.6	2.8
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)