

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: P565975

Luminaire Tested: **4SNX-100HL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565975
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-L835-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

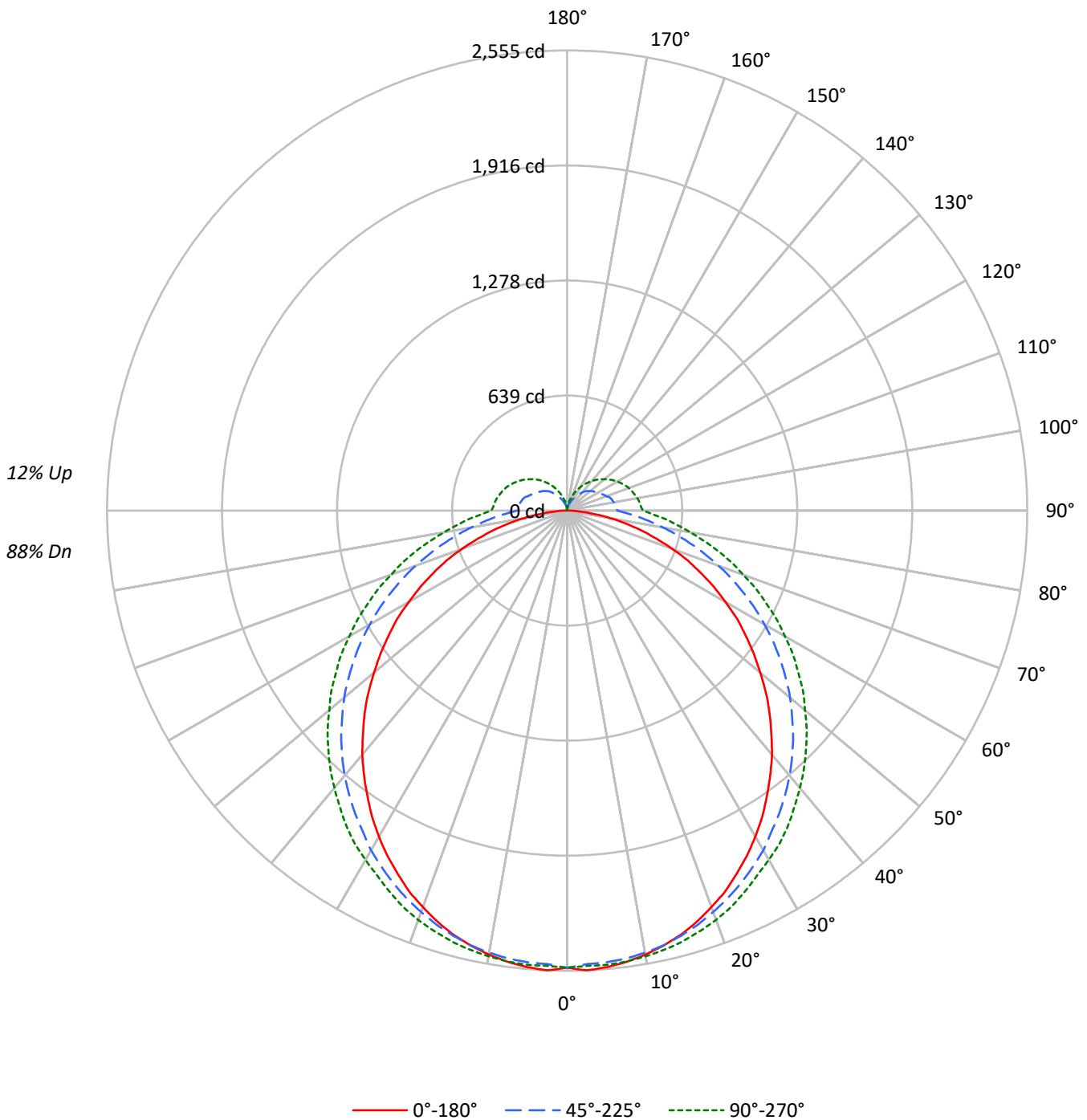
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9137.0 lumens
Efficiency: N/A
Efficacy: 126.0 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): 72.5
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°	27318	27318	27318
5°	27440	26622	26582
10°	27263	26095	25947
15°	27016	25529	25347
20°	26629	24909	24722
25°	26172	24288	24009
30°	25674	23663	23354
35°	25048	22965	22787
40°	24440	22325	22096
45°	23707	21617	21439
50°	22859	20864	20689
55°	22045	19984	19938
60°	21103	19029	19077
65°	19954	17941	18156
70°	18496	16713	17099
75°	16428	15301	16130
80°	13538	13899	14905
85°	9374	12645	14105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.9	2.6
10°-20°	693.1	7.6
20°-30°	1054.3	11.5
30°-40°	1282.0	14.0
40°-50°	1356.3	14.8
50°-60°	1271.3	13.9
60°-70°	1045.9	11.4
70°-80°	723.7	7.9
80°-90°	402.4	4.4
90°-100°	265.1	2.9
100°-110°	237.7	2.6
110°-120°	196.8	2.2
120°-130°	152.1	1.7
130°-140°	107.7	1.2
140°-150°	65.0	0.7
150°-160°	31.2	0.3
160°-170°	10.2	0.1
170°-180°	1.2	0.0
0°-30°	1988.3	21.8
0°-40°	3270.3	35.8
0°-60°	5898.0	64.6
0°-90°	8070.0	88.3
90°-120°	699.6	7.7
90°-150°	1024.4	11.2
90°-180°	1067.0	11.7
0°-180°	9137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2538	2538	2538	2538	2538	
5°	2544	2540	2518	2538	2532	242
15°	2438	2446	2444	2477	2477	687
25°	2225	2256	2283	2333	2334	1026
35°	1934	1986	2053	2119	2137	1210
45°	1590	1673	1774	1854	1876	1225
55°	1210	1318	1444	1535	1566	1083
65°	818	936	1081	1188	1220	811
75°	426	549	710	823	868	451
85°	94	233	394	504	548	108
90°	2	131	278	383	421	6
95°	2	125	271	371	407	1
105°	2	108	254	349	380	2
115°	3	94	214	310	344	3
125°	3	80	183	264	297	3
135°	3	63	153	218	244	2
145°	3	45	106	164	185	2
155°	5	31	66	105	122	2
165°	5	20	36	48	63	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°	2537.9	2537.9	2537.9	2537.9	2537.9
2.5°	2555.1	2547.3	2520.7	2537.9	2530.1
5°	2544.2	2539.5	2517.6	2537.9	2531.6
7.5°	2527.0	2525.4	2508.2	2531.6	2525.4
10°	2503.5	2506.6	2492.5	2517.6	2512.9
12.5°	2473.8	2478.4	2472.2	2500.4	2497.2
15°	2437.8	2445.6	2444.0	2476.9	2476.9
17.5°	2394.0	2404.9	2411.2	2448.7	2448.7
20°	2342.3	2359.5	2372.0	2412.7	2419.0
22.5°	2290.7	2311.0	2329.8	2372.0	2381.4
25°	2225.0	2256.3	2282.9	2332.9	2334.5
27.5°	2160.8	2195.2	2231.2	2279.7	2284.4
30°	2090.4	2134.2	2178.0	2225.0	2239.1
32.5°	2015.3	2063.8	2112.3	2174.9	2193.7
35°	1933.9	1985.6	2052.9	2118.6	2137.3
37.5°	1852.6	1910.5	1988.7	2056.0	2073.2
40°	1769.6	1833.8	1921.4	1990.3	2010.6
42.5°	1677.3	1755.6	1849.4	1923.0	1946.5
45°	1589.7	1672.6	1774.3	1854.1	1876.0
47.5°	1497.4	1585.0	1694.5	1779.0	1804.1
50°	1398.8	1499.0	1616.3	1700.8	1724.3
52.5°	1306.5	1408.2	1531.8	1619.4	1652.3
55°	1209.5	1317.5	1444.2	1534.9	1566.2
57.5°	1118.7	1222.0	1358.1	1448.9	1488.0
60°	1015.5	1129.7	1265.8	1364.4	1395.7
62.5°	918.5	1034.3	1175.1	1276.8	1312.8
65°	818.3	935.7	1081.2	1187.6	1220.4
67.5°	724.4	840.2	988.9	1093.7	1136.0
70°	621.2	743.2	895.0	1003.0	1038.9
72.5°	519.5	646.2	801.1	916.9	957.6
75°	425.6	549.2	710.4	823.0	868.4
77.5°	334.8	460.0	622.7	738.5	777.6
80°	244.1	375.5	541.4	655.6	693.2
82.5°	161.2	298.9	463.1	577.4	618.0
85°	93.9	233.1	394.3	503.8	547.6
87.5°	40.7	176.8	330.1	438.1	474.1
90°	1.6	131.4	278.5	383.3	420.9
92.5°	1.6	128.3	272.3	375.5	411.5
95°	1.6	125.2	270.7	370.8	406.8
97.5°	1.6	123.6	267.6	367.7	402.1
100°	1.6	118.9	262.9	361.4	395.9
102.5°	1.6	112.7	258.2	355.2	388.0
105°	1.6	108.0	253.5	348.9	380.2
107.5°	1.6	103.3	245.7	341.1	372.4
110°	1.6	98.6	233.1	333.3	364.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	97.0	223.7	322.3	355.2
115°	3.1	93.9	214.4	309.8	344.2
117.5°	3.1	92.3	206.5	297.3	333.3
120°	3.1	87.6	198.7	286.3	320.8
122.5°	3.1	82.9	190.9	275.4	309.8
125°	3.1	79.8	183.1	264.4	297.3
127.5°	3.1	75.1	176.8	253.5	283.2
130°	3.1	72.0	169.0	241.0	270.7
132.5°	3.1	67.3	161.2	228.4	256.6
135°	3.1	62.6	153.3	217.5	244.1
137.5°	3.1	56.3	144.0	205.0	230.0
140°	3.1	51.6	131.4	192.5	215.9
142.5°	3.1	48.5	118.9	178.4	200.3
145°	3.1	45.4	106.4	164.3	184.6
147.5°	3.1	42.2	95.4	150.2	169.0
150°	3.1	37.6	84.5	137.7	153.3
152.5°	4.7	34.4	75.1	122.0	137.7
155°	4.7	31.3	65.7	104.8	122.0
157.5°	4.7	28.2	56.3	87.6	106.4
160°	4.7	25.0	48.5	72.0	90.8
162.5°	4.7	23.5	42.2	59.5	76.7
165°	4.7	20.3	36.0	48.5	62.6
167.5°	4.7	15.6	29.7	37.6	51.6
170°	4.7	12.5	23.5	26.6	39.1
172.5°	4.7	9.4	17.2	18.8	20.3
175°	4.7	7.8	11.0	11.0	6.3
177.5°	4.7	6.3	6.3	6.3	3.1
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)