

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: P565987

Luminaire Tested: **4SNX-100HL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-100HL-UNV-L935-CD
Description: 4FT 10000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

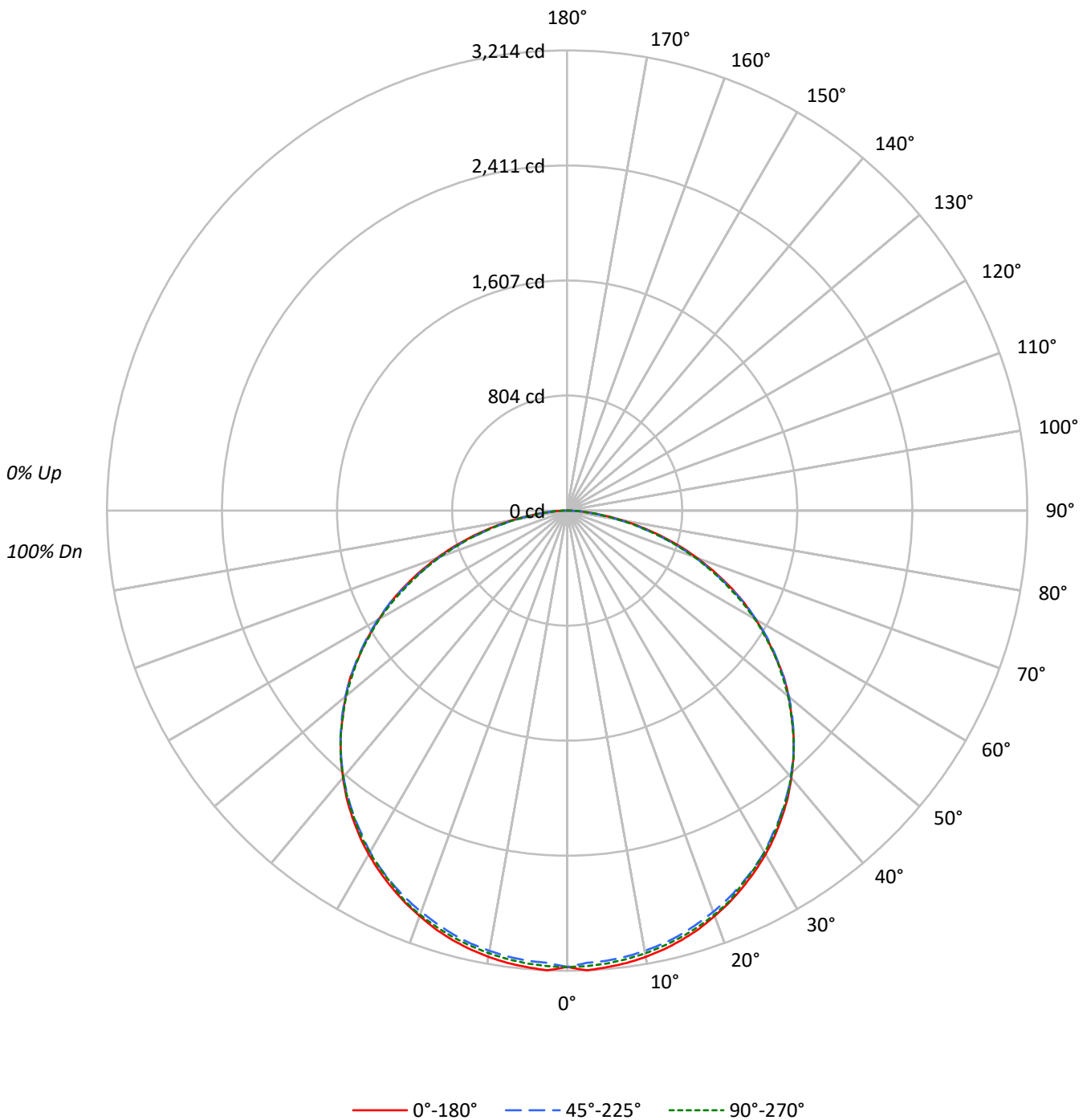
Lumens per Lamp: N/A
Luminaire Lumens: 9541.0 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34308	34308	34308
5°	34585	34104	34308
10°	34601	34130	34321
15°	34586	34165	34361
20°	34517	34161	34409
25°	34474	34202	34267
30°	34452	34233	34267
35°	34367	34154	34208
40°	34229	34153	34173
45°	34044	34104	34044
50°	33813	33882	33701
55°	33286	33464	33286
60°	32724	32871	32580
65°	31916	31536	31195
70°	30395	29715	29630
75°	28047	26704	26812
80°	23995	22489	22910
85°	17821	17488	16327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.5	3.2
10°-20°	871.5	9.1
20°-30°	1334.2	14.0
30°-40°	1632.2	17.1
40°-50°	1726.3	18.1
50°-60°	1590.6	16.7
60°-70°	1224.2	12.8
70°-80°	687.8	7.2
80°-90°	171.6	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2508.3	26.3
0°-40°	4140.4	43.4
0°-60°	7457.4	78.2
0°-90°	9541.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9541.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3187	3187	3187	3187	3187	
5°	3201	3191	3156	3185	3175	304
15°	3104	3096	3066	3093	3084	876
25°	2903	2900	2880	2900	2885	1339
35°	2615	2611	2599	2611	2603	1637
45°	2236	2243	2240	2235	2236	1725
55°	1774	1790	1783	1778	1774	1589
65°	1253	1256	1238	1221	1225	1236
75°	674	664	642	633	645	710
85°	144	142	142	138	132	178
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3187.3	3187.3	3187.3	3187.3	3187.3
2.5°	3214.3	3196.8	3161.7	3192.7	3184.6
5°	3200.8	3191.4	3156.3	3184.6	3175.2
7.5°	3187.3	3176.5	3142.8	3173.8	3160.3
10°	3165.7	3156.3	3122.6	3152.3	3140.1
12.5°	3137.4	3129.3	3098.3	3126.6	3114.5
15°	3103.7	3095.6	3065.9	3092.9	3083.5
17.5°	3063.2	3053.8	3025.5	3053.8	3047.0
20°	3013.3	3007.9	2982.3	3007.9	3003.9
22.5°	2962.1	2955.3	2935.1	2954.0	2955.3
25°	2902.7	2900.0	2879.8	2900.0	2885.2
27.5°	2840.7	2840.7	2820.4	2833.9	2824.5
30°	2771.9	2770.5	2754.3	2761.1	2757.0
32.5°	2697.7	2696.3	2674.8	2692.3	2685.6
35°	2615.4	2611.4	2599.2	2611.4	2603.3
37.5°	2530.4	2526.4	2516.9	2523.7	2522.3
40°	2436.0	2436.0	2430.6	2436.0	2432.0
42.5°	2338.9	2342.9	2336.2	2341.6	2341.6
45°	2236.4	2243.1	2240.4	2235.0	2236.4
47.5°	2127.1	2139.3	2132.5	2131.2	2124.4
50°	2019.2	2030.0	2023.3	2016.5	2012.5
52.5°	1907.3	1912.7	1904.6	1901.9	1892.4
55°	1773.7	1789.9	1783.2	1777.8	1773.7
57.5°	1651.0	1663.1	1657.7	1646.9	1640.2
60°	1520.1	1529.6	1526.9	1514.8	1513.4
62.5°	1392.0	1394.7	1392.0	1370.4	1371.8
65°	1253.1	1255.8	1238.2	1220.7	1224.8
67.5°	1107.4	1115.5	1091.2	1065.6	1083.1
70°	965.8	963.1	944.2	915.9	941.5
72.5°	820.1	817.4	795.8	775.6	793.1
75°	674.4	663.6	642.1	632.6	644.7
77.5°	523.4	511.2	501.8	495.0	500.4
80°	387.1	370.9	362.8	357.4	369.6
82.5°	257.6	245.5	241.4	245.5	242.8
85°	144.3	141.6	141.6	137.6	132.2
87.5°	59.3	62.0	63.4	62.0	59.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)