

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: P566059

Luminaire Tested: **4SNX-116HL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-116HL-LN-UNV-L935-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

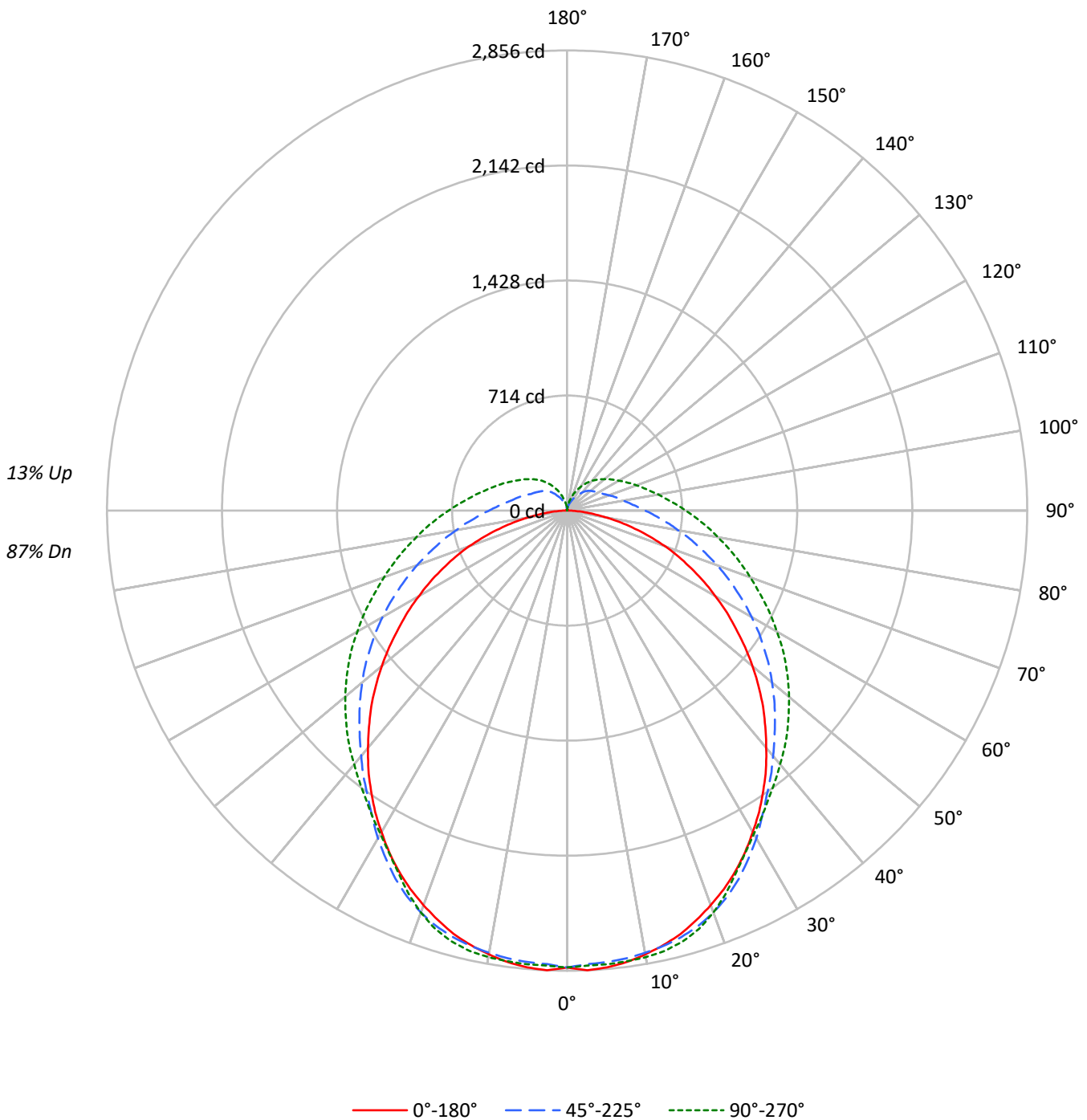
Lumens per Lamp: N/A
Luminaire Lumens: 10235.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 85.4
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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30519	30519	30519
5°	30636	29115	28858
10°	30349	27987	27527
15°	29985	26920	26183
20°	29407	25721	24472
25°	28787	24274	22465
30°	27968	22651	20790
35°	27095	21000	19539
40°	26102	19673	18528
45°	25129	18497	17655
50°	23973	17413	16774
55°	22620	16326	15914
60°	21322	15241	15013
65°	19878	14149	14187
70°	18228	13123	13441
75°	15674	12123	12827
80°	12354	11258	12306
85°	8274	10644	12008



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.3	2.6
10°-20°	774.4	7.6
20°-30°	1153.1	11.3
30°-40°	1360.7	13.3
40°-50°	1419.0	13.9
50°-60°	1333.5	13.0
60°-70°	1126.1	11.0
70°-80°	850.9	8.3
80°-90°	586.5	5.7
90°-100°	410.4	4.0
100°-110°	306.3	3.0
110°-120°	230.9	2.3
120°-130°	172.2	1.7
130°-140°	120.9	1.2
140°-150°	73.1	0.7
150°-160°	34.9	0.3
160°-170°	11.2	0.1
170°-180°	1.3	0.0
0°-30°	2196.9	21.5
0°-40°	3557.6	34.8
0°-60°	6310.1	61.7
0°-90°	8873.7	86.7
90°-120°	947.7	9.3
90°-150°	1313.8	12.8
90°-180°	1361.0	13.3
0°-180°	10235.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2835	2835	2835	2835	2835	
5°	2846	2840	2813	2834	2827	270
15°	2721	2733	2740	2775	2769	766
25°	2471	2521	2521	2499	2480	1137
35°	2122	2200	2159	2176	2181	1327
45°	1720	1805	1824	1898	1933	1324
55°	1277	1386	1492	1612	1655	1146
65°	850	986	1152	1303	1353	844
75°	436	604	836	1012	1076	464
85°	99	311	580	770	838	111
90°	2	220	484	670	736	7
95°	2	172	410	586	647	1
105°	4	123	316	458	510	3
115°	4	106	245	364	411	4
125°	5	90	206	298	337	5
135°	5	69	172	243	272	4
145°	7	50	120	186	208	4
155°	7	33	73	118	137	3
165°	9	21	38	52	69	2
175°	9	9	10	10	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2835.3	2835.3	2835.3	2835.3	2835.3
2.5°	2856.1	2849.2	2817.9	2835.3	2826.6
5°	2845.7	2840.5	2812.7	2833.5	2826.6
7.5°	2826.6	2824.9	2804.1	2828.3	2821.4
10°	2797.1	2802.3	2786.7	2819.7	2814.5
12.5°	2762.4	2772.8	2767.6	2804.1	2798.8
15°	2720.8	2732.9	2739.9	2774.6	2769.3
17.5°	2665.2	2687.8	2703.4	2731.2	2722.5
20°	2606.2	2637.5	2654.8	2668.7	2654.8
22.5°	2542.0	2583.7	2594.1	2587.2	2573.3
25°	2470.9	2521.2	2521.2	2498.7	2479.6
27.5°	2391.1	2453.5	2436.2	2410.2	2394.5
30°	2304.3	2378.9	2349.4	2319.9	2316.5
32.5°	2217.6	2295.6	2252.3	2245.3	2250.5
35°	2122.1	2200.2	2158.6	2175.9	2181.1
37.5°	2026.7	2104.8	2077.0	2103.0	2118.7
40°	1922.6	2005.9	1988.5	2035.4	2056.2
42.5°	1820.2	1907.0	1905.2	1966.0	1997.2
45°	1719.6	1804.6	1823.7	1898.3	1933.0
47.5°	1610.2	1697.0	1743.9	1830.6	1865.3
50°	1502.7	1596.4	1660.6	1757.7	1797.6
52.5°	1391.6	1490.5	1579.0	1686.6	1728.2
55°	1277.1	1386.4	1492.3	1612.0	1655.4
57.5°	1174.7	1285.8	1410.7	1533.9	1584.2
60°	1061.9	1185.1	1322.2	1452.3	1502.7
62.5°	959.6	1086.2	1238.9	1376.0	1429.8
65°	850.2	985.6	1152.2	1303.1	1353.4
67.5°	749.6	888.4	1070.6	1223.3	1278.8
70°	645.5	793.0	990.8	1152.2	1209.4
72.5°	537.9	694.1	911.0	1082.8	1141.7
75°	435.5	603.8	836.4	1011.6	1075.8
77.5°	340.1	517.1	768.7	949.1	1011.6
80°	246.4	439.0	697.5	884.9	949.1
82.5°	163.1	371.3	640.3	827.7	895.4
85°	98.9	310.6	579.6	770.4	838.1
87.5°	45.1	260.3	531.0	720.1	786.0
90°	1.7	220.4	484.1	669.8	735.7
92.5°	1.7	192.6	445.9	626.4	690.6
95°	1.7	171.8	409.5	586.5	647.2
97.5°	1.7	157.9	381.7	548.3	607.3
100°	1.7	144.0	354.0	513.6	574.3
102.5°	3.5	131.9	333.2	482.4	539.6
105°	3.5	123.2	315.8	458.1	510.1
107.5°	3.5	118.0	296.7	433.8	482.4
110°	3.5	112.8	275.9	409.5	458.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.5	109.3	260.3	388.7	435.5
115°	3.5	105.8	244.7	364.4	411.2
117.5°	3.5	104.1	236.0	345.3	390.4
120°	5.2	98.9	225.6	327.9	371.3
122.5°	5.2	93.7	215.2	314.1	352.2
125°	5.2	90.2	206.5	298.5	336.6
127.5°	5.2	85.0	197.8	284.6	319.3
130°	5.2	79.8	190.9	270.7	303.7
132.5°	5.2	74.6	182.2	256.8	288.0
135°	5.2	69.4	171.8	242.9	272.4
137.5°	5.2	64.2	161.4	229.0	256.8
140°	5.2	59.0	147.5	215.2	241.2
142.5°	5.2	53.8	133.6	201.3	223.8
145°	6.9	50.3	119.7	185.7	208.2
147.5°	6.9	45.1	105.8	170.0	189.1
150°	6.9	41.6	95.4	154.4	171.8
152.5°	6.9	36.4	85.0	137.1	154.4
155°	6.9	33.0	72.9	118.0	137.1
157.5°	6.9	29.5	62.5	98.9	119.7
160°	6.9	27.8	53.8	81.6	102.4
162.5°	8.7	24.3	45.1	65.9	85.0
165°	8.7	20.8	38.2	52.1	69.4
167.5°	8.7	17.4	31.2	39.9	53.8
170°	8.7	13.9	24.3	27.8	41.6
172.5°	8.7	10.4	17.4	19.1	20.8
175°	8.7	8.7	10.4	10.4	5.2
177.5°	8.7	8.7	6.9	5.2	1.7
180°	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)