

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: P566076

Luminaire Tested: **4SNX-116HL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566076  
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-116HL-SLW-UNV-L940-CD  
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

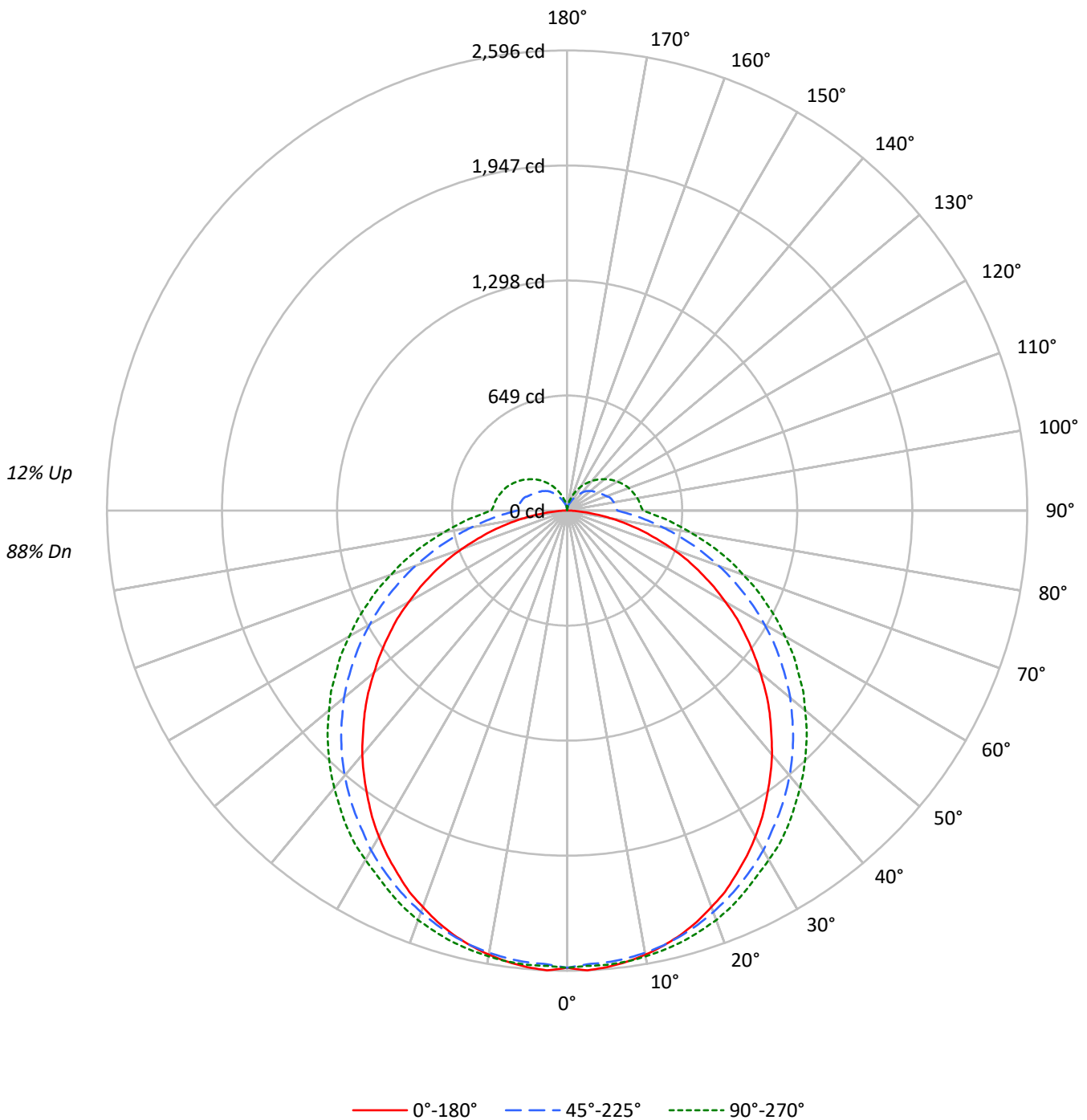
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9285.0 lumens  
Efficiency: N/A  
Efficacy: 108.7 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): 85.4  
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°	27760	27760	27760
5°	27885	27052	27013
10°	27704	26518	26367
15°	27453	25942	25757
20°	27061	25313	25122
25°	26596	24681	24398
30°	26091	24046	23731
35°	25455	23336	23157
40°	24836	22687	22454
45°	24092	21968	21787
50°	23230	21202	21024
55°	22402	20307	20262
60°	21444	19337	19385
65°	20278	18231	18451
70°	18793	16984	17377
75°	16694	15549	16392
80°	13754	14122	15146
85°	9523	12850	14334



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.8	2.6
10°-20°	704.3	7.6
20°-30°	1071.4	11.5
30°-40°	1302.7	14.0
40°-50°	1378.3	14.8
50°-60°	1291.9	13.9
60°-70°	1062.8	11.4
70°-80°	735.4	7.9
80°-90°	408.9	4.4
90°-100°	269.4	2.9
100°-110°	241.6	2.6
110°-120°	200.0	2.2
120°-130°	154.6	1.7
130°-140°	109.4	1.2
140°-150°	66.0	0.7
150°-160°	31.7	0.3
160°-170°	10.4	0.1
170°-180°	1.3	0.0
0°-30°	2020.6	21.8
0°-40°	3323.3	35.8
0°-60°	5993.5	64.6
0°-90°	8200.7	88.3
90°-120°	710.9	7.7
90°-150°	1041.0	11.2
90°-180°	1084.0	11.7
0°-180°	9285.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2579	2579	2579	2579	2579	
5°	2585	2581	2558	2579	2573	245
15°	2477	2485	2484	2517	2517	698
25°	2261	2293	2320	2371	2372	1042
35°	1965	2018	2086	2153	2172	1230
45°	1616	1700	1803	1884	1906	1245
55°	1229	1339	1468	1560	1592	1100
65°	832	951	1099	1207	1240	824
75°	432	558	722	836	882	459
85°	95	237	401	512	556	110
90°	2	134	283	390	428	6
95°	2	127	275	377	413	1
105°	2	110	258	355	386	2
115°	3	95	218	315	350	3
125°	3	81	186	269	302	3
135°	3	64	156	221	248	2
145°	3	46	108	167	188	2
155°	5	32	67	106	124	2
165°	5	21	37	49	64	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°	2579.0	2579.0	2579.0	2579.0	2579.0
2.5°	2596.5	2588.6	2561.5	2579.0	2571.1
5°	2585.4	2580.6	2558.3	2579.0	2572.7
7.5°	2567.9	2566.3	2548.8	2572.7	2566.3
10°	2544.0	2547.2	2532.9	2558.3	2553.6
12.5°	2513.8	2518.6	2512.2	2540.9	2537.7
15°	2477.3	2485.2	2483.6	2517.0	2517.0
17.5°	2432.7	2443.9	2450.2	2488.4	2488.4
20°	2380.3	2397.8	2410.5	2451.8	2458.2
22.5°	2327.8	2348.5	2367.5	2410.5	2420.0
25°	2261.0	2292.8	2319.8	2370.7	2372.3
27.5°	2195.8	2230.8	2267.4	2316.7	2321.4
30°	2124.3	2168.8	2213.3	2261.0	2275.3
32.5°	2047.9	2097.2	2146.5	2210.1	2229.2
35°	1965.3	2017.7	2086.1	2152.9	2172.0
37.5°	1882.6	1941.4	2020.9	2089.3	2106.8
40°	1798.3	1863.5	1952.5	2022.5	2043.2
42.5°	1704.5	1784.0	1879.4	1954.1	1978.0
45°	1615.5	1699.7	1803.1	1884.2	1906.4
47.5°	1521.7	1610.7	1722.0	1807.9	1833.3
50°	1421.5	1523.2	1642.5	1728.4	1752.2
52.5°	1327.7	1431.0	1556.6	1645.7	1679.1
55°	1229.1	1338.8	1467.6	1559.8	1591.6
57.5°	1136.9	1241.8	1380.1	1472.4	1512.1
60°	1031.9	1148.0	1286.3	1386.5	1418.3
62.5°	933.3	1051.0	1194.1	1297.5	1334.0
65°	831.6	950.8	1098.7	1206.8	1240.2
67.5°	736.2	853.8	1004.9	1111.4	1154.4
70°	631.2	755.3	909.5	1019.2	1055.8
72.5°	527.9	656.7	814.1	931.8	973.1
75°	432.5	558.1	721.9	836.4	882.5
77.5°	340.3	467.5	632.8	750.5	790.2
80°	248.0	381.6	550.1	666.2	704.4
82.5°	163.8	303.7	470.6	586.7	628.1
85°	95.4	236.9	400.7	512.0	556.5
87.5°	41.3	179.7	335.5	445.2	481.8
90°	1.6	133.6	283.0	389.6	427.7
92.5°	1.6	130.4	276.7	381.6	418.2
95°	1.6	127.2	275.1	376.8	413.4
97.5°	1.6	125.6	271.9	373.7	408.6
100°	1.6	120.8	267.1	367.3	402.3
102.5°	1.6	114.5	262.4	360.9	394.3
105°	1.6	109.7	257.6	354.6	386.4
107.5°	1.6	104.9	249.6	346.6	378.4
110°	1.6	100.2	236.9	338.7	370.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	98.6	227.4	327.5	360.9
115°	3.2	95.4	217.8	314.8	349.8
117.5°	3.2	93.8	209.9	302.1	338.7
120°	3.2	89.0	201.9	291.0	326.0
122.5°	3.2	84.3	194.0	279.8	314.8
125°	3.2	81.1	186.0	268.7	302.1
127.5°	3.2	76.3	179.7	257.6	287.8
130°	3.2	73.1	171.7	244.9	275.1
132.5°	3.2	68.4	163.8	232.1	260.8
135°	3.2	63.6	155.8	221.0	248.0
137.5°	3.2	57.2	146.3	208.3	233.7
140°	3.2	52.5	133.6	195.6	219.4
142.5°	3.2	49.3	120.8	181.3	203.5
145°	3.2	46.1	108.1	167.0	187.6
147.5°	3.2	42.9	97.0	152.6	171.7
150°	3.2	38.2	85.9	139.9	155.8
152.5°	4.8	35.0	76.3	124.0	139.9
155°	4.8	31.8	66.8	106.5	124.0
157.5°	4.8	28.6	57.2	89.0	108.1
160°	4.8	25.4	49.3	73.1	92.2
162.5°	4.8	23.9	42.9	60.4	77.9
165°	4.8	20.7	36.6	49.3	63.6
167.5°	4.8	15.9	30.2	38.2	52.5
170°	4.8	12.7	23.9	27.0	39.8
172.5°	4.8	9.5	17.5	19.1	20.7
175°	4.8	8.0	11.1	11.1	6.4
177.5°	4.8	6.4	6.4	6.4	3.2
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)