

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: P566075

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566075
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-L935-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

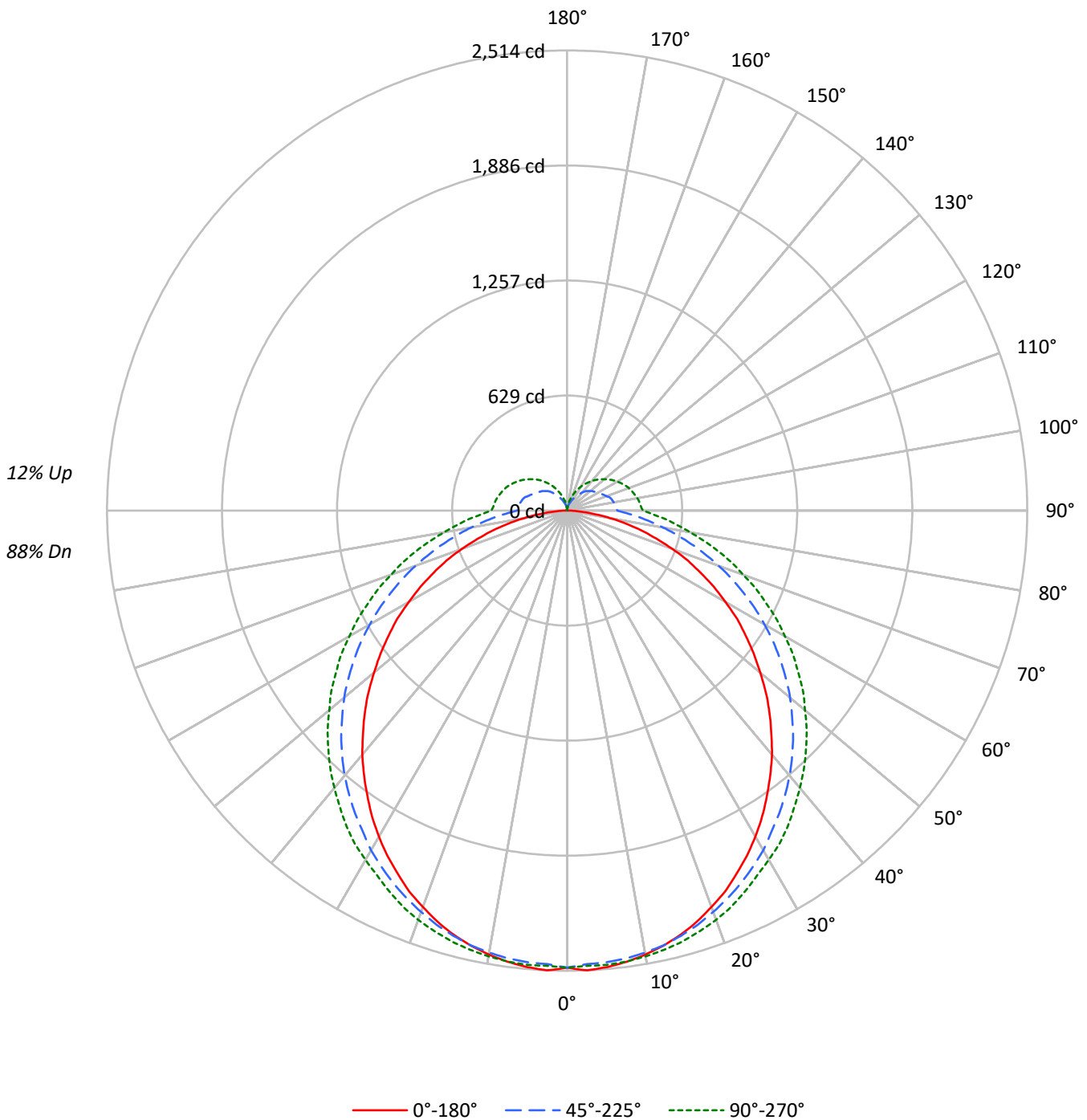
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8990.0 lumens
Efficiency: N/A
Efficacy: 105.3 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 (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

TEST NUMBER: P566075
CATALOG NUMBER: 4SNX-116HL-SLW-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566075

CATALOG NUMBER: 4SNX-116HL-SLW-UNV-L935-CD

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°	26879	26879	26879
5°	26998	26194	26155
10°	26825	25675	25529
15°	26580	25118	24939
20°	26201	24509	24324
25°	25751	23897	23622
30°	25262	23283	22977
35°	24645	22595	22422
40°	24047	21966	21741
45°	23325	21270	21095
50°	22491	20528	20355
55°	21689	19663	19617
60°	20762	18724	18769
65°	19634	17652	17865
70°	18198	16444	16824
75°	16162	15053	15870
80°	13322	13675	14664
85°	9224	12443	13878



TEST NUMBER: P566075

CATALOG NUMBER: 4SNX-116HL-SLW-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.1	2.6
10°-20°	681.9	7.6
20°-30°	1037.4	11.5
30°-40°	1261.4	14.0
40°-50°	1334.5	14.8
50°-60°	1250.9	13.9
60°-70°	1029.1	11.4
70°-80°	712.0	7.9
80°-90°	395.9	4.4
90°-100°	260.8	2.9
100°-110°	233.9	2.6
110°-120°	193.6	2.2
120°-130°	149.7	1.7
130°-140°	106.0	1.2
140°-150°	63.9	0.7
150°-160°	30.7	0.3
160°-170°	10.0	0.1
170°-180°	1.2	0.0
0°-30°	1956.4	21.8
0°-40°	3217.7	35.8
0°-60°	5803.1	64.6
0°-90°	7940.1	88.3
90°-120°	688.3	7.7
90°-150°	1007.9	11.2
90°-180°	1050.0	11.7
0°-180°	8990.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2497	2497	2497	2497	2497	
5°	2503	2499	2477	2497	2491	238
15°	2398	2406	2405	2437	2437	676
25°	2189	2220	2246	2295	2297	1009
35°	1903	1954	2020	2084	2103	1191
45°	1564	1646	1746	1824	1846	1206
55°	1190	1296	1421	1510	1541	1065
65°	805	921	1064	1168	1201	798
75°	419	540	699	810	854	444
85°	92	229	388	496	539	106
90°	2	129	274	377	414	6
95°	2	123	266	365	400	1
105°	2	106	249	343	374	2
115°	3	92	211	305	339	2
125°	3	78	180	260	292	3
135°	3	62	151	214	240	2
145°	3	45	105	162	182	2
155°	5	31	65	103	120	2
165°	5	20	35	48	62	1
175°	5	8	11	11	6	0
180°	3	3	3	3	3	



TEST NUMBER: P566075

CATALOG NUMBER: 4SNX-116HL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2497.1	2497.1	2497.1	2497.1	2497.1
2.5°	2514.0	2506.3	2480.1	2497.1	2489.4
5°	2503.2	2498.6	2477.1	2497.1	2490.9
7.5°	2486.3	2484.8	2467.8	2490.9	2484.8
10°	2463.2	2466.3	2452.4	2477.1	2472.4
12.5°	2434.0	2438.6	2432.4	2460.1	2457.0
15°	2398.5	2406.2	2404.7	2437.0	2437.0
17.5°	2355.4	2366.2	2372.4	2409.3	2409.3
20°	2304.6	2321.6	2333.9	2373.9	2380.1
22.5°	2253.8	2273.8	2292.3	2333.9	2343.1
25°	2189.2	2220.0	2246.1	2295.4	2296.9
27.5°	2126.1	2159.9	2195.3	2243.1	2247.7
30°	2056.8	2099.9	2143.0	2189.2	2203.0
32.5°	1982.9	2030.6	2078.3	2139.9	2158.4
35°	1902.8	1953.6	2019.8	2084.5	2103.0
37.5°	1822.8	1879.7	1956.7	2022.9	2039.8
40°	1741.2	1804.3	1890.5	1958.2	1978.3
42.5°	1650.3	1727.3	1819.7	1892.0	1915.1
45°	1564.1	1645.7	1745.8	1824.3	1845.9
47.5°	1473.3	1559.5	1667.3	1750.4	1775.0
50°	1376.3	1474.8	1590.3	1673.4	1696.5
52.5°	1285.5	1385.6	1507.2	1593.4	1625.7
55°	1190.0	1296.3	1421.0	1510.3	1541.0
57.5°	1100.7	1202.4	1336.3	1425.6	1464.1
60°	999.1	1111.5	1245.5	1342.4	1373.2
62.5°	903.7	1017.6	1156.2	1256.2	1291.6
65°	805.2	920.6	1063.8	1168.5	1200.8
67.5°	712.8	826.7	973.0	1076.1	1117.7
70°	611.2	731.3	880.6	986.8	1022.2
72.5°	511.1	635.8	788.2	902.1	942.2
75°	418.7	540.4	698.9	809.8	854.4
77.5°	329.5	452.6	612.7	726.6	765.1
80°	240.2	369.5	532.7	645.1	682.0
82.5°	158.6	294.0	455.7	568.1	608.1
85°	92.4	229.4	388.0	495.7	538.8
87.5°	40.0	174.0	324.8	431.1	466.5
90°	1.5	129.3	274.0	377.2	414.1
92.5°	1.5	126.2	267.9	369.5	404.9
95°	1.5	123.2	266.3	364.9	400.3
97.5°	1.5	121.6	263.3	361.8	395.7
100°	1.5	117.0	258.6	355.6	389.5
102.5°	1.5	110.8	254.0	349.5	381.8
105°	1.5	106.2	249.4	343.3	374.1
107.5°	1.5	101.6	241.7	335.6	366.4
110°	1.5	97.0	229.4	327.9	358.7



TEST NUMBER: P566075

CATALOG NUMBER: 4SNX-116HL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	95.4	220.1	317.1	349.5
115°	3.1	92.4	210.9	304.8	338.7
117.5°	3.1	90.8	203.2	292.5	327.9
120°	3.1	86.2	195.5	281.7	315.6
122.5°	3.1	81.6	187.8	271.0	304.8
125°	3.1	78.5	180.1	260.2	292.5
127.5°	3.1	73.9	174.0	249.4	278.7
130°	3.1	70.8	166.3	237.1	266.3
132.5°	3.1	66.2	158.6	224.8	252.5
135°	3.1	61.6	150.9	214.0	240.2
137.5°	3.1	55.4	141.6	201.7	226.3
140°	3.1	50.8	129.3	189.4	212.5
142.5°	3.1	47.7	117.0	175.5	197.1
145°	3.1	44.6	104.7	161.6	181.7
147.5°	3.1	41.6	93.9	147.8	166.3
150°	3.1	36.9	83.1	135.5	150.9
152.5°	4.6	33.9	73.9	120.1	135.5
155°	4.6	30.8	64.7	103.1	120.1
157.5°	4.6	27.7	55.4	86.2	104.7
160°	4.6	24.6	47.7	70.8	89.3
162.5°	4.6	23.1	41.6	58.5	75.4
165°	4.6	20.0	35.4	47.7	61.6
167.5°	4.6	15.4	29.3	36.9	50.8
170°	4.6	12.3	23.1	26.2	38.5
172.5°	4.6	9.2	16.9	18.5	20.0
175°	4.6	7.7	10.8	10.8	6.2
177.5°	4.6	6.2	6.2	6.2	3.1
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)