

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: P566085

Luminaire Tested: **4SNX-116HL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566085
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-116HL-UNV-L950-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

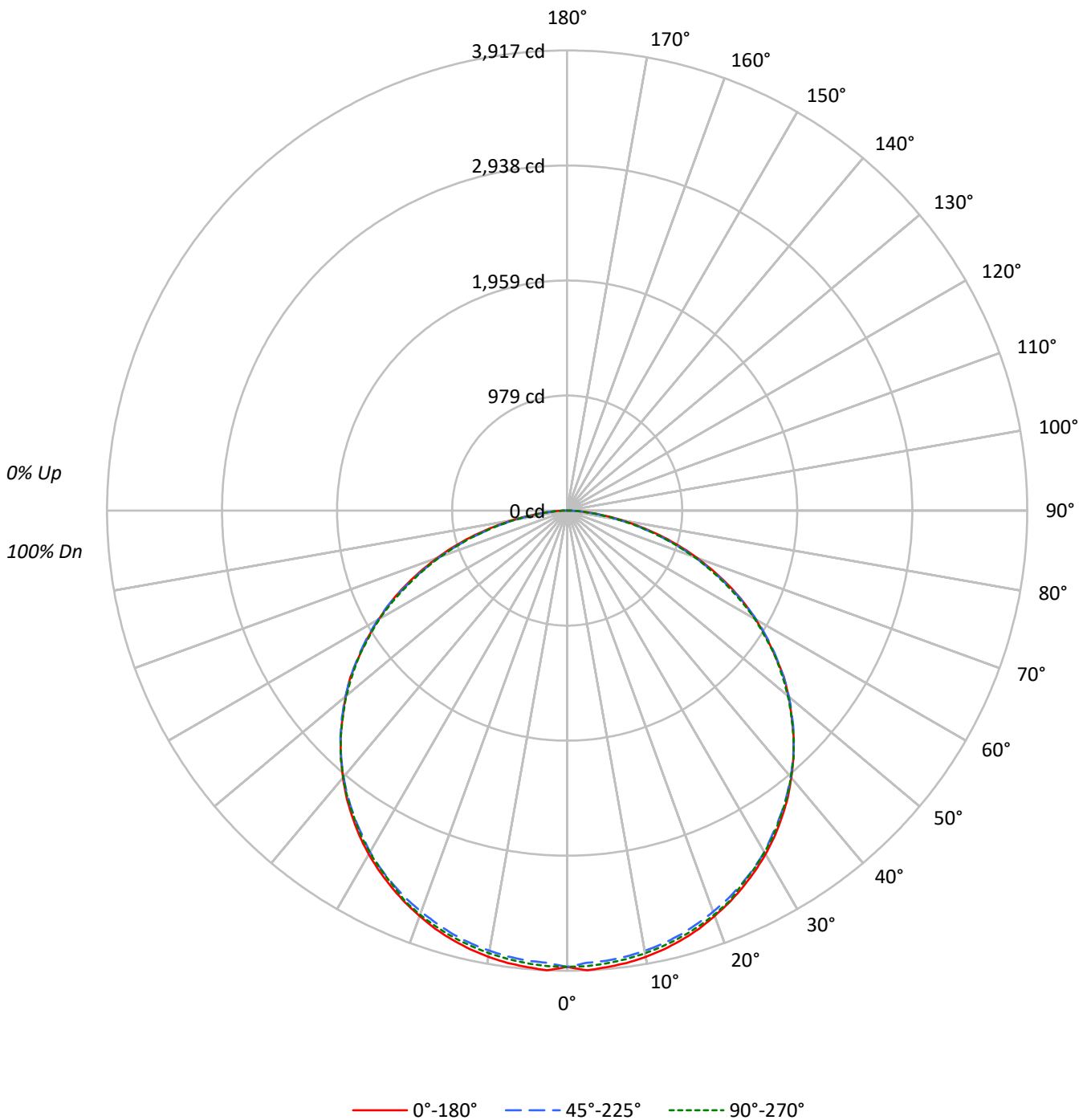
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11626.0 lumens
Efficiency: N/A
Efficacy: 136.1 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): 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	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°	41806	41806	41806
5°	42143	41556	41806
10°	42163	41589	41821
15°	42144	41631	41870
20°	42059	41626	41928
25°	42008	41676	41755
30°	41981	41716	41756
35°	41878	41618	41684
40°	41710	41617	41640
45°	41483	41557	41483
50°	41203	41285	41065
55°	40560	40777	40560
60°	39876	40055	39699
65°	38890	38429	38011
70°	37036	36208	36104
75°	34177	32539	32672
80°	29239	27404	27913
85°	21724	21316	19896



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.6	3.2
10°-20°	1062.0	9.1
20°-30°	1625.8	14.0
30°-40°	1988.8	17.1
40°-50°	2103.6	18.1
50°-60°	1938.2	16.7
60°-70°	1491.8	12.8
70°-80°	838.1	7.2
80°-90°	209.1	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°	3056.4	26.3
0°-40°	5045.3	43.4
0°-60°	9087.1	78.2
0°-90°	11626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11626.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3884	3884	3884	3884	3884	
5°	3900	3889	3846	3881	3869	371
15°	3782	3772	3736	3769	3757	1068
25°	3537	3534	3509	3534	3516	1631
35°	3187	3182	3167	3182	3172	1994
45°	2725	2733	2730	2724	2725	2101
55°	2161	2181	2173	2166	2161	1936
65°	1527	1530	1509	1488	1492	1506
75°	822	809	782	771	786	866
85°	176	173	173	168	161	217
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3883.9	3883.9	3883.9	3883.9	3883.9
2.5°	3916.7	3895.4	3852.6	3890.4	3880.6
5°	3900.3	3888.8	3846.0	3880.6	3869.1
7.5°	3883.9	3870.7	3829.6	3867.4	3851.0
10°	3857.6	3846.0	3805.0	3841.1	3826.3
12.5°	3823.0	3813.2	3775.4	3809.9	3795.1
15°	3781.9	3772.1	3735.9	3768.8	3757.3
17.5°	3732.6	3721.1	3686.6	3721.1	3712.9
20°	3671.8	3665.3	3634.0	3665.3	3660.3
22.5°	3609.4	3601.1	3576.5	3599.5	3601.1
25°	3537.0	3533.8	3509.1	3533.8	3515.7
27.5°	3461.4	3461.4	3436.8	3453.2	3441.7
30°	3377.6	3376.0	3356.3	3364.5	3359.5
32.5°	3287.2	3285.6	3259.3	3280.6	3272.4
35°	3187.0	3182.0	3167.2	3182.0	3172.2
37.5°	3083.4	3078.5	3067.0	3075.2	3073.6
40°	2968.4	2968.4	2961.8	2968.4	2963.4
42.5°	2850.0	2855.0	2846.7	2853.3	2853.3
45°	2725.1	2733.3	2730.0	2723.5	2725.1
47.5°	2592.0	2606.8	2598.5	2596.9	2588.7
50°	2460.5	2473.6	2465.4	2457.2	2452.3
52.5°	2324.1	2330.6	2320.8	2317.5	2306.0
55°	2161.3	2181.1	2172.9	2166.3	2161.3
57.5°	2011.8	2026.6	2020.0	2006.8	1998.6
60°	1852.3	1863.9	1860.6	1845.8	1844.1
62.5°	1696.2	1699.5	1696.2	1669.9	1671.6
65°	1526.9	1530.2	1508.8	1487.5	1492.4
67.5°	1349.4	1359.3	1329.7	1298.5	1319.8
70°	1176.8	1173.5	1150.5	1116.0	1147.2
72.5°	999.3	996.0	969.7	945.1	966.4
75°	821.8	808.7	782.4	770.9	785.6
77.5°	637.7	622.9	611.4	603.2	609.8
80°	471.7	452.0	442.1	435.6	450.3
82.5°	313.9	299.1	294.2	299.1	295.8
85°	175.9	172.6	172.6	167.6	161.1
87.5°	72.3	75.6	77.2	75.6	72.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)