

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: P566084

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566084
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-L940-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

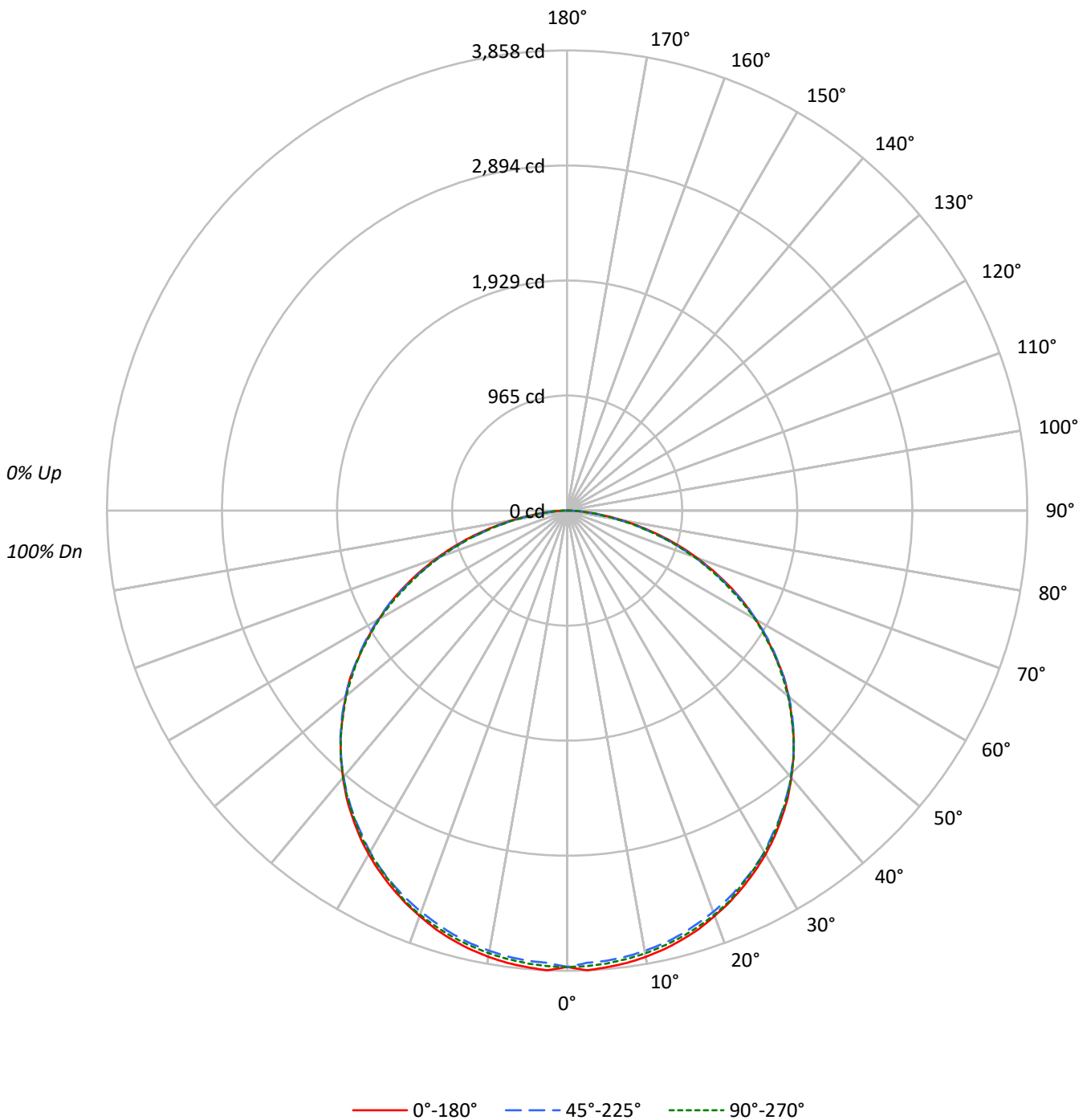
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11452.0 lumens
Efficiency: N/A
Efficacy: 134.1 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°	41180	41180	41180
5°	41512	40935	41180
10°	41532	40966	41196
15°	41513	41009	41244
20°	41431	41003	41300
25°	41379	41053	41130
30°	41353	41091	41132
35°	41251	40995	41060
40°	41085	40995	41017
45°	40862	40936	40862
50°	40587	40667	40451
55°	39953	40166	39953
60°	39280	39454	39105
65°	38309	37855	37443
70°	36482	35667	35566
75°	33666	32048	32185
80°	28805	26995	27497
85°	21391	20995	19600



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.1	3.2
10°-20°	1046.1	9.1
20°-30°	1601.5	14.0
30°-40°	1959.1	17.1
40°-50°	2072.1	18.1
50°-60°	1909.2	16.7
60°-70°	1469.4	12.8
70°-80°	825.6	7.2
80°-90°	205.9	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°	3010.7	26.3
0°-40°	4969.7	43.4
0°-60°	8951.0	78.2
0°-90°	11452.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11452.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3826	3826	3826	3826	3826	
5°	3842	3831	3788	3822	3811	365
15°	3725	3716	3680	3712	3701	1052
25°	3484	3481	3457	3481	3463	1607
35°	3139	3134	3120	3134	3125	1964
45°	2684	2692	2689	2683	2684	2070
55°	2129	2148	2140	2134	2129	1907
65°	1504	1507	1486	1465	1470	1484
75°	810	797	771	759	774	853
85°	173	170	170	165	159	214
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3825.7	3825.7	3825.7	3825.7	3825.7
2.5°	3858.1	3837.1	3795.0	3832.2	3822.5
5°	3841.9	3830.6	3788.5	3822.5	3811.2
7.5°	3825.7	3812.8	3772.3	3809.5	3793.3
10°	3799.8	3788.5	3748.0	3783.6	3769.1
12.5°	3765.8	3756.1	3718.9	3752.9	3738.3
15°	3725.3	3715.6	3680.0	3712.4	3701.1
17.5°	3676.8	3665.4	3631.4	3665.4	3657.3
20°	3616.9	3610.4	3579.6	3610.4	3605.5
22.5°	3555.3	3547.3	3523.0	3545.6	3547.3
25°	3484.1	3480.9	3456.6	3480.9	3463.1
27.5°	3409.6	3409.6	3385.4	3401.5	3390.2
30°	3327.1	3325.4	3306.0	3314.1	3309.3
32.5°	3238.0	3236.4	3210.5	3231.5	3223.5
35°	3139.3	3134.4	3119.8	3134.4	3124.7
37.5°	3037.3	3032.4	3021.1	3029.2	3027.6
40°	2923.9	2923.9	2917.5	2923.9	2919.1
42.5°	2807.4	2812.2	2804.1	2810.6	2810.6
45°	2684.3	2692.4	2689.2	2682.7	2684.3
47.5°	2553.2	2567.8	2559.7	2558.0	2549.9
50°	2423.7	2436.6	2428.5	2420.4	2415.6
52.5°	2289.3	2295.8	2286.0	2282.8	2271.5
55°	2129.0	2148.4	2140.3	2133.9	2129.0
57.5°	1981.7	1996.2	1989.8	1976.8	1968.7
60°	1824.6	1836.0	1832.7	1818.1	1816.5
62.5°	1670.8	1674.1	1670.8	1644.9	1646.5
65°	1504.1	1507.3	1486.3	1465.2	1470.1
67.5°	1329.2	1338.9	1309.8	1279.0	1300.1
70°	1159.2	1156.0	1133.3	1099.3	1130.1
72.5°	984.4	981.1	955.2	930.9	952.0
75°	809.5	796.6	770.6	759.3	773.9
77.5°	628.2	613.6	602.3	594.2	600.7
80°	464.7	445.2	435.5	429.0	443.6
82.5°	309.2	294.7	289.8	294.7	291.4
85°	173.2	170.0	170.0	165.1	158.7
87.5°	71.2	74.5	76.1	74.5	71.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)