

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: P566990

Luminaire Tested: **4SNX-90HL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566990
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-90HL-UNV-L830-CD
Description: 4FT 9000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

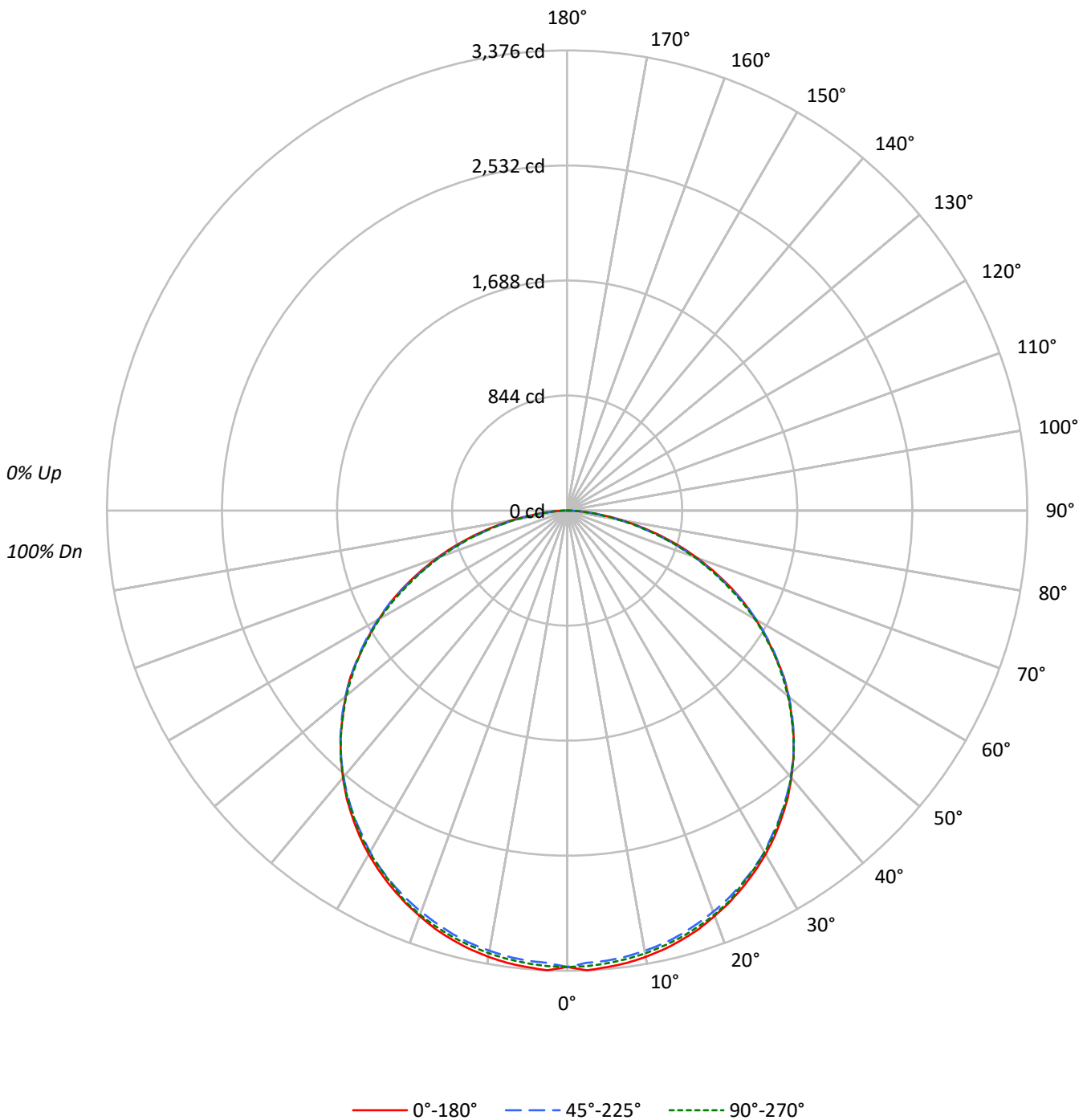
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10021.0 lumens
Efficiency: N/A
Efficacy: 155.6 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): 64.4
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	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°	36034	36034	36034
5°	36324	35820	36034
10°	36342	35847	36048
15°	36326	35885	36090
20°	36253	35880	36140
25°	36208	35923	35990
30°	36185	35956	35991
35°	36096	35873	35928
40°	35952	35872	35891
45°	35756	35820	35756
50°	35514	35586	35395
55°	34962	35147	34962
60°	34371	34524	34218
65°	33521	33123	32764
70°	31925	31210	31122
75°	29461	28047	28164
80°	25204	23623	24063
85°	18723	18377	17142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.7	3.2
10°-20°	915.4	9.1
20°-30°	1401.4	14.0
30°-40°	1714.3	17.1
40°-50°	1813.2	18.1
50°-60°	1670.7	16.7
60°-70°	1285.8	12.8
70°-80°	722.4	7.2
80°-90°	180.2	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°	2634.5	26.3
0°-40°	4348.7	43.4
0°-60°	7832.6	78.2
0°-90°	10021.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10021.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3348	3348	3348	3348	3348	
5°	3362	3352	3315	3345	3335	320
15°	3260	3251	3220	3248	3239	920
25°	3049	3046	3025	3046	3030	1406
35°	2747	2743	2730	2743	2734	1719
45°	2349	2356	2353	2348	2349	1811
55°	1863	1880	1873	1867	1863	1668
65°	1316	1319	1300	1282	1286	1298
75°	708	697	674	664	677	746
85°	152	149	149	144	139	187
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3347.7	3347.7	3347.7	3347.7	3347.7
2.5°	3376.0	3357.6	3320.8	3353.3	3344.8
5°	3361.8	3351.9	3315.1	3344.8	3334.9
7.5°	3347.7	3336.3	3300.9	3333.5	3319.3
10°	3325.0	3315.1	3279.7	3310.8	3298.1
12.5°	3295.3	3286.8	3254.2	3283.9	3271.2
15°	3259.8	3251.3	3220.2	3248.5	3238.6
17.5°	3217.3	3207.4	3177.7	3207.4	3200.3
20°	3164.9	3159.3	3132.3	3159.3	3155.0
22.5°	3111.1	3104.0	3082.8	3102.6	3104.0
25°	3048.7	3045.9	3024.7	3045.9	3030.3
27.5°	2983.6	2983.6	2962.3	2976.5	2966.6
30°	2911.3	2909.9	2892.9	2900.0	2895.7
32.5°	2833.4	2832.0	2809.3	2827.7	2820.7
35°	2747.0	2742.7	2730.0	2742.7	2734.2
37.5°	2657.7	2653.5	2643.6	2650.7	2649.2
40°	2558.6	2558.6	2552.9	2558.6	2554.3
42.5°	2456.6	2460.8	2453.7	2459.4	2459.4
45°	2348.9	2356.0	2353.1	2347.5	2348.9
47.5°	2234.1	2246.9	2239.8	2238.4	2231.3
50°	2120.8	2132.1	2125.1	2118.0	2113.7
52.5°	2003.2	2008.9	2000.4	1997.6	1987.6
55°	1863.0	1880.0	1872.9	1867.2	1863.0
57.5°	1734.0	1746.8	1741.1	1729.8	1722.7
60°	1596.6	1606.5	1603.7	1591.0	1589.5
62.5°	1462.0	1464.9	1462.0	1439.4	1440.8
65°	1316.1	1319.0	1300.5	1282.1	1286.4
67.5°	1163.1	1171.6	1146.1	1119.2	1137.6
70°	1014.4	1011.5	991.7	961.9	988.9
72.5°	861.4	858.5	835.9	814.6	833.0
75°	708.4	697.0	674.4	664.4	677.2
77.5°	549.7	536.9	527.0	519.9	525.6
80°	406.6	389.6	381.1	375.4	388.2
82.5°	270.6	257.8	253.6	257.8	255.0
85°	151.6	148.8	148.8	144.5	138.8
87.5°	62.3	65.2	66.6	65.2	62.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)