

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: P567039

Luminaire Tested: **4SNX-93HL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567039
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-93HL-UNV-L835-CD
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

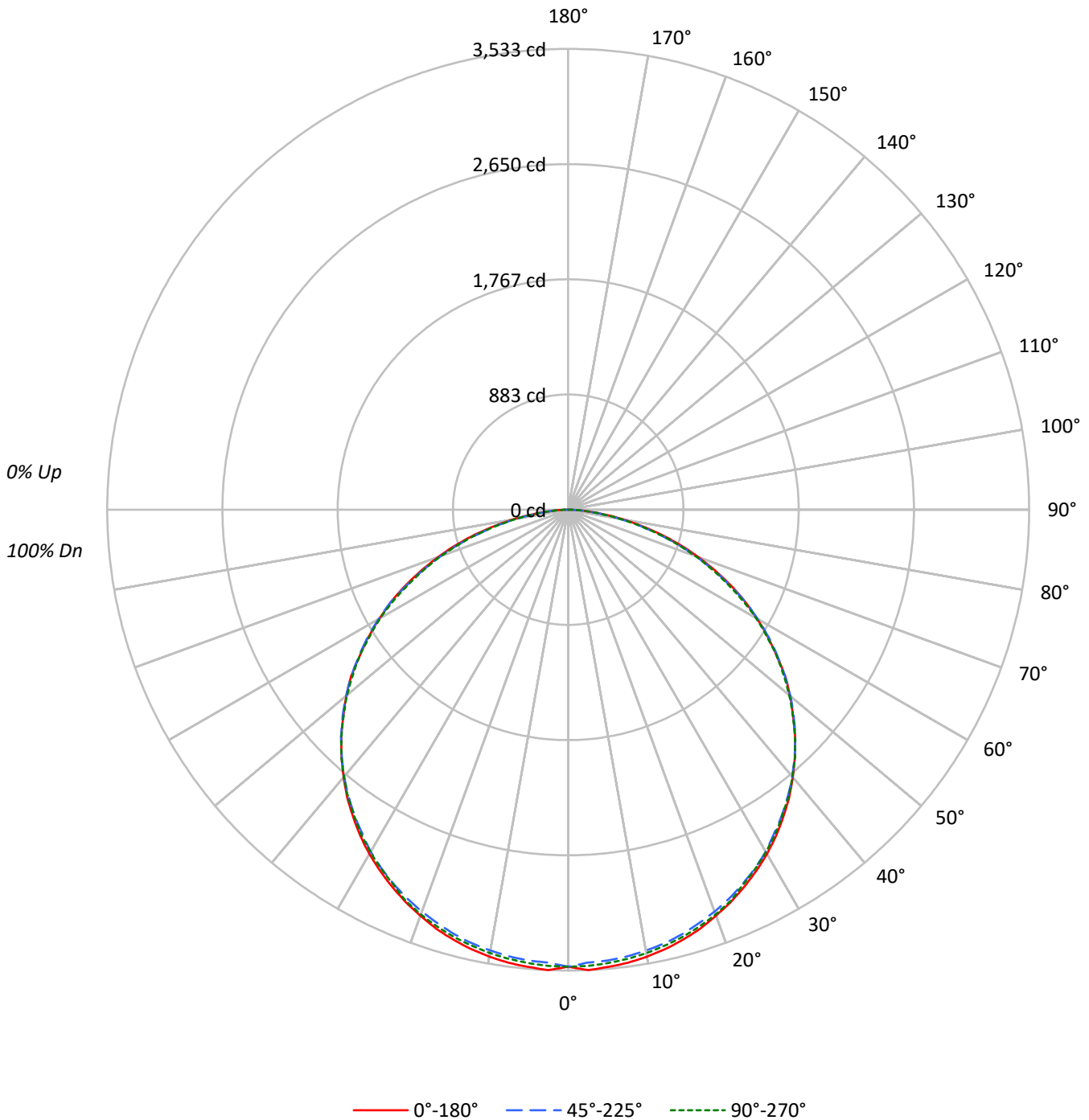
Lumens per Lamp: N/A
Luminaire Lumens: 10487.0 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 67.4
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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37709	37709	37709
5°	38014	37485	37710
10°	38032	37514	37725
15°	38015	37553	37768
20°	37939	37549	37820
25°	37893	37593	37664
30°	37868	37628	37665
35°	37774	37541	37600
40°	37622	37539	37561
45°	37418	37487	37418
50°	37165	37241	37041
55°	36587	36782	36587
60°	35971	36130	35812
65°	35079	34664	34287
70°	33407	32661	32567
75°	30830	29349	29474
80°	26375	24720	25179
85°	19587	19229	17945



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.5	3.2
10°-20°	958.0	9.1
20°-30°	1466.5	14.0
30°-40°	1794.0	17.1
40°-50°	1897.5	18.1
50°-60°	1748.3	16.7
60°-70°	1345.6	12.8
70°-80°	756.0	7.2
80°-90°	188.6	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°	2757.0	26.3
0°-40°	4551.0	43.4
0°-60°	8196.8	78.2
0°-90°	10487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10487.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3503	3503	3503	3503	3503	
5°	3518	3508	3469	3500	3490	335
15°	3411	3402	3370	3400	3389	963
25°	3190	3188	3165	3188	3171	1472
35°	2875	2870	2857	2870	2861	1799
45°	2458	2466	2463	2457	2458	1895
55°	1950	1967	1960	1954	1950	1746
65°	1377	1380	1361	1342	1346	1359
75°	741	729	706	695	709	781
85°	159	156	156	151	145	196
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3503.3	3503.3	3503.3	3503.3	3503.3
2.5°	3533.0	3513.7	3475.2	3509.3	3500.4
5°	3518.2	3507.8	3469.2	3500.4	3490.0
7.5°	3503.3	3491.5	3454.4	3488.5	3473.7
10°	3479.6	3469.2	3432.2	3464.8	3451.5
12.5°	3448.5	3439.6	3405.5	3436.6	3423.3
15°	3411.4	3402.5	3369.9	3399.6	3389.2
17.5°	3367.0	3356.6	3325.4	3356.6	3349.2
20°	3312.1	3306.2	3278.0	3306.2	3301.7
22.5°	3255.8	3248.3	3226.1	3246.9	3248.3
25°	3190.5	3187.6	3165.3	3187.6	3171.3
27.5°	3122.3	3122.3	3100.1	3114.9	3104.5
30°	3046.7	3045.2	3027.4	3034.9	3030.4
32.5°	2965.2	2963.7	2940.0	2959.2	2951.8
35°	2874.7	2870.3	2856.9	2870.3	2861.4
37.5°	2781.3	2776.9	2766.5	2773.9	2772.4
40°	2677.5	2677.5	2671.6	2677.5	2673.1
42.5°	2570.8	2575.3	2567.8	2573.8	2573.8
45°	2458.1	2465.5	2462.6	2456.6	2458.1
47.5°	2338.0	2351.4	2344.0	2342.5	2335.1
50°	2219.4	2231.3	2223.9	2216.5	2212.0
52.5°	2096.4	2102.3	2093.4	2090.4	2080.1
55°	1949.6	1967.4	1960.0	1954.0	1949.6
57.5°	1814.7	1828.0	1822.1	1810.2	1802.8
60°	1670.9	1681.3	1678.3	1664.9	1663.5
62.5°	1530.0	1533.0	1530.0	1506.3	1507.8
65°	1377.3	1380.3	1361.0	1341.7	1346.2
67.5°	1217.2	1226.1	1199.4	1171.2	1190.5
70°	1061.5	1058.6	1037.8	1006.7	1034.8
72.5°	901.4	898.4	874.7	852.5	871.8
75°	741.3	729.4	705.7	695.3	708.7
77.5°	575.2	561.9	551.5	544.1	550.0
80°	425.5	407.7	398.8	392.9	406.2
82.5°	283.2	269.8	265.4	269.8	266.9
85°	158.6	155.7	155.7	151.2	145.3
87.5°	65.2	68.2	69.7	68.2	65.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)