

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: P567038

Luminaire Tested: **4SNX-93HL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567038
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-L830-CD
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

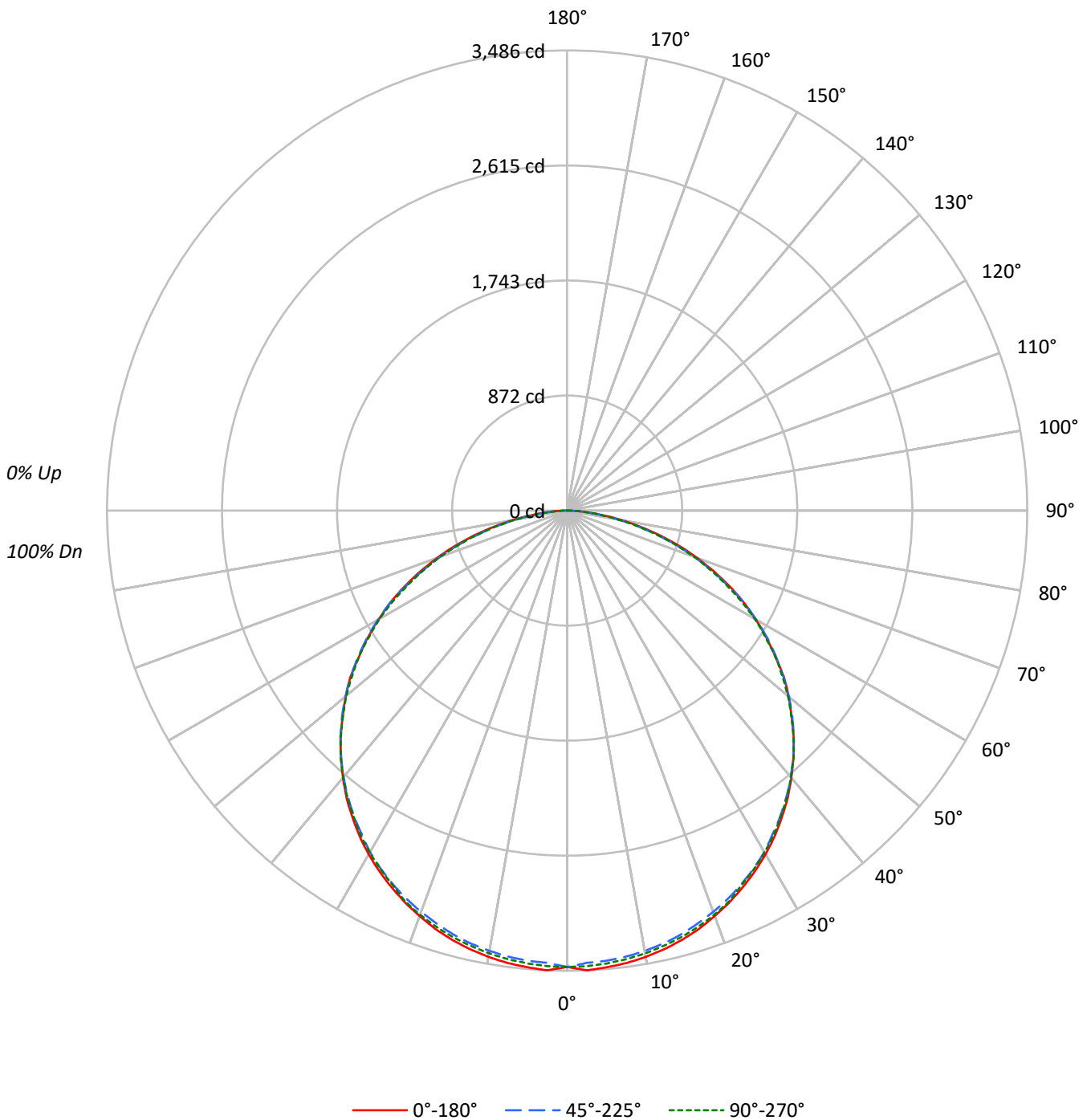
Lumens per Lamp: N/A
Luminaire Lumens: 10348.0 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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°	37210	37210	37210
5°	37510	36989	37209
10°	37528	37017	37224
15°	37512	37056	37268
20°	37436	37050	37319
25°	37390	37096	37164
30°	37366	37129	37165
35°	37274	37044	37102
40°	37125	37042	37063
45°	36922	36989	36922
50°	36673	36747	36551
55°	36103	36294	36103
60°	35493	35650	35336
65°	34616	34206	33831
70°	32966	32230	32136
75°	30422	28962	29083
80°	26028	24392	24844
85°	19328	18970	17710



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.1	3.2
10°-20°	945.3	9.1
20°-30°	1447.1	14.0
30°-40°	1770.2	17.1
40°-50°	1872.3	18.1
50°-60°	1725.2	16.7
60°-70°	1327.8	12.8
70°-80°	746.0	7.2
80°-90°	186.1	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°	2720.4	26.3
0°-40°	4490.6	43.4
0°-60°	8088.1	78.2
0°-90°	10348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3457	3457	3457	3457	3457	
5°	3472	3461	3423	3454	3444	330
15°	3366	3357	3325	3354	3344	950
25°	3148	3145	3123	3145	3129	1452
35°	2837	2832	2819	2832	2824	1775
45°	2426	2433	2430	2424	2426	1870
55°	1924	1941	1934	1928	1924	1723
65°	1359	1362	1343	1324	1328	1341
75°	732	720	696	686	699	770
85°	156	154	154	149	143	193
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3456.9	3456.9	3456.9	3456.9	3456.9
2.5°	3486.2	3467.2	3429.1	3462.8	3454.0
5°	3471.5	3461.3	3423.3	3454.0	3443.7
7.5°	3456.9	3445.2	3408.6	3442.3	3427.7
10°	3433.5	3423.3	3386.7	3418.9	3405.7
12.5°	3402.8	3394.0	3360.4	3391.1	3377.9
15°	3366.2	3357.4	3325.3	3354.5	3344.3
17.5°	3322.3	3312.1	3281.4	3312.1	3304.8
20°	3268.2	3262.3	3234.5	3262.3	3258.0
22.5°	3212.6	3205.3	3183.3	3203.8	3205.3
25°	3148.2	3145.3	3123.4	3145.3	3129.2
27.5°	3080.9	3080.9	3059.0	3073.6	3063.4
30°	3006.3	3004.9	2987.3	2994.6	2990.2
32.5°	2925.9	2924.4	2901.0	2920.0	2912.7
35°	2836.6	2832.2	2819.1	2832.2	2823.5
37.5°	2744.5	2740.1	2729.8	2737.2	2735.7
40°	2642.1	2642.1	2636.2	2642.1	2637.7
42.5°	2536.7	2541.1	2533.8	2539.7	2539.7
45°	2425.5	2432.9	2429.9	2424.1	2425.5
47.5°	2307.0	2320.2	2312.9	2311.4	2304.1
50°	2190.0	2201.7	2194.4	2187.1	2182.7
52.5°	2068.6	2074.4	2065.7	2062.7	2052.5
55°	1923.8	1941.3	1934.0	1928.1	1923.8
57.5°	1790.6	1803.8	1797.9	1786.2	1778.9
60°	1648.7	1659.0	1656.0	1642.9	1641.4
62.5°	1509.7	1512.7	1509.7	1486.3	1487.8
65°	1359.1	1362.0	1343.0	1324.0	1328.3
67.5°	1201.1	1209.8	1183.5	1155.7	1174.7
70°	1047.5	1044.5	1024.1	993.3	1021.1
72.5°	889.5	886.5	863.1	841.2	860.2
75°	731.5	719.8	696.4	686.1	699.3
77.5°	567.6	554.5	544.2	536.9	542.7
80°	419.9	402.3	393.5	387.7	400.8
82.5°	279.4	266.3	261.9	266.3	263.3
85°	156.5	153.6	153.6	149.2	143.4
87.5°	64.4	67.3	68.8	67.3	64.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)