

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: P566991

Luminaire Tested: **4SNX-90HL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566991
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-L835-CD
Description: 4FT 9000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

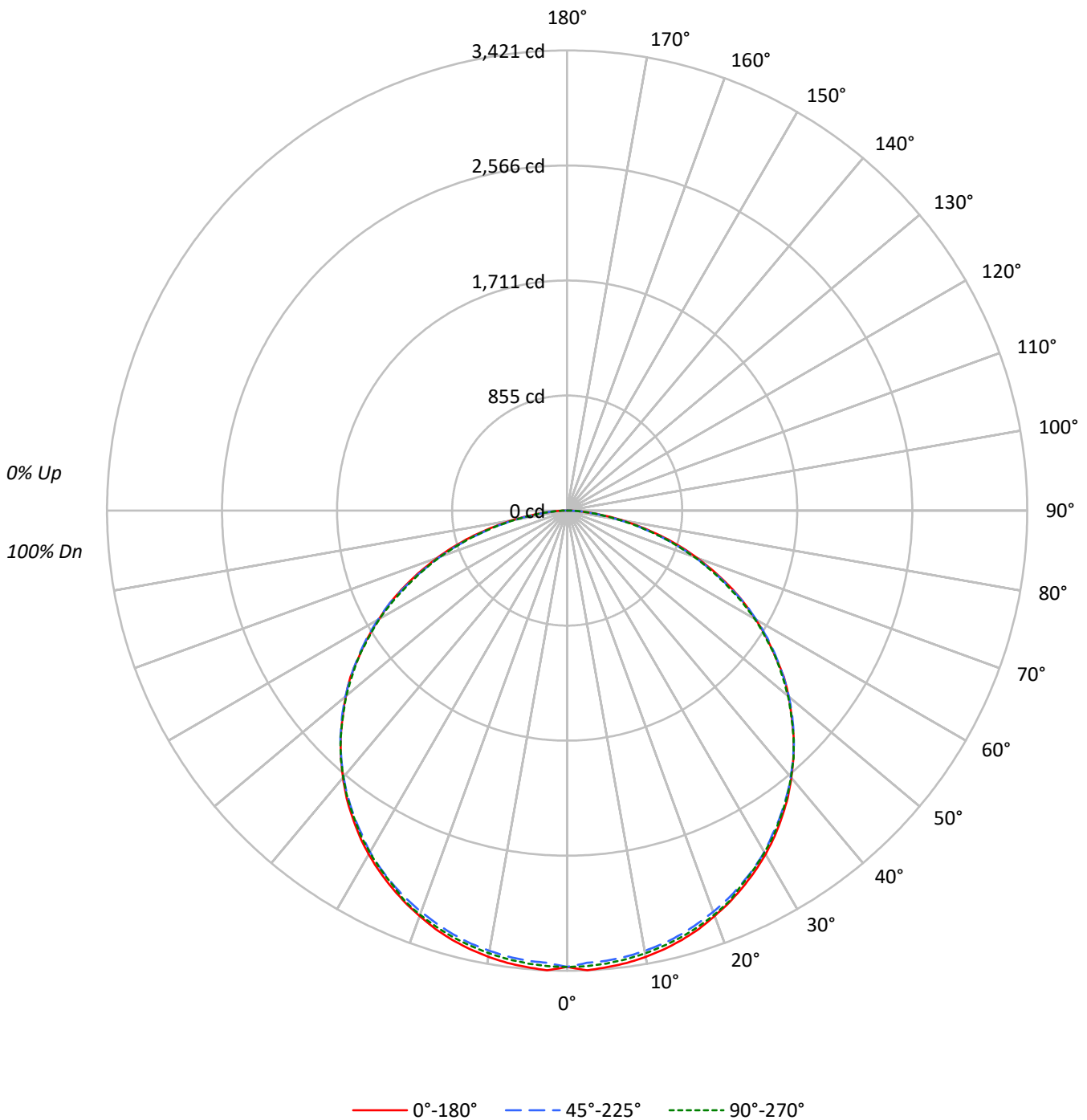
Lumens per Lamp: N/A
Luminaire Lumens: 10155.0 lumens
Efficiency: N/A
Efficacy: 157.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (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°	36516	36516	36516
5°	36811	36298	36516
10°	36829	36326	36530
15°	36812	36364	36572
20°	36738	36360	36623
25°	36693	36403	36472
30°	36670	36437	36473
35°	36579	36353	36409
40°	36432	36351	36372
45°	36234	36300	36234
50°	35990	36062	35869
55°	35429	35617	35429
60°	34832	34987	34677
65°	33969	33566	33202
70°	32350	31629	31538
75°	29852	28422	28538
80°	25539	23939	24386
85°	18970	18612	17377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.9	3.2
10°-20°	927.6	9.1
20°-30°	1420.1	14.0
30°-40°	1737.2	17.1
40°-50°	1837.4	18.1
50°-60°	1693.0	16.7
60°-70°	1303.0	12.8
70°-80°	732.1	7.2
80°-90°	182.6	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°	2669.7	26.3
0°-40°	4406.9	43.4
0°-60°	7937.3	78.2
0°-90°	10155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3392	3392	3392	3392	3392	
5°	3407	3397	3359	3390	3380	324
15°	3303	3295	3263	3292	3282	933
25°	3090	3087	3065	3087	3071	1425
35°	2784	2779	2766	2779	2771	1742
45°	2380	2388	2385	2379	2380	1836
55°	1888	1905	1898	1892	1888	1691
65°	1334	1337	1318	1299	1304	1316
75°	718	706	683	673	686	756
85°	154	151	151	146	141	190
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3392.4	3392.4	3392.4	3392.4	3392.4
2.5°	3421.2	3402.5	3365.2	3398.2	3389.6
5°	3406.8	3396.7	3359.4	3389.6	3379.5
7.5°	3392.4	3381.0	3345.1	3378.1	3363.7
10°	3369.5	3359.4	3323.5	3355.1	3342.2
12.5°	3339.3	3330.7	3297.7	3327.8	3314.9
15°	3303.4	3294.8	3263.2	3291.9	3281.9
17.5°	3260.4	3250.3	3220.2	3250.3	3243.1
20°	3207.2	3201.5	3174.2	3201.5	3197.2
22.5°	3152.7	3145.5	3124.0	3144.1	3145.5
25°	3089.5	3086.6	3065.1	3086.6	3070.9
27.5°	3023.5	3023.5	3001.9	3016.3	3006.2
30°	2950.3	2948.8	2931.6	2938.8	2934.5
32.5°	2871.3	2869.9	2846.9	2865.6	2858.4
35°	2783.7	2779.4	2766.5	2779.4	2770.8
37.5°	2693.3	2689.0	2678.9	2686.1	2684.7
40°	2592.8	2592.8	2587.0	2592.8	2588.5
42.5°	2489.4	2493.7	2486.5	2492.3	2492.3
45°	2380.3	2387.5	2384.6	2378.9	2380.3
47.5°	2264.0	2276.9	2269.8	2268.3	2261.1
50°	2149.2	2160.7	2153.5	2146.3	2142.0
52.5°	2030.0	2035.8	2027.1	2024.3	2014.2
55°	1887.9	1905.1	1897.9	1892.2	1887.9
57.5°	1757.2	1770.2	1764.4	1752.9	1745.7
60°	1618.0	1628.0	1625.2	1612.2	1610.8
62.5°	1481.6	1484.5	1481.6	1458.6	1460.1
65°	1333.7	1336.6	1317.9	1299.3	1303.6
67.5°	1178.7	1187.3	1161.4	1134.2	1152.8
70°	1027.9	1025.1	1005.0	974.8	1002.1
72.5°	872.9	870.0	847.0	825.5	844.2
75°	717.8	706.3	683.4	673.3	686.2
77.5°	557.0	544.1	534.1	526.9	532.6
80°	412.0	394.8	386.2	380.4	393.4
82.5°	274.2	261.3	257.0	261.3	258.4
85°	153.6	150.7	150.7	146.4	140.7
87.5°	63.2	66.0	67.5	66.0	63.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)