

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: P566948

Luminaire Tested: **4SNX-87HL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566948
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-87HL-UNV-L940-CD
Description: 4FT 8700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

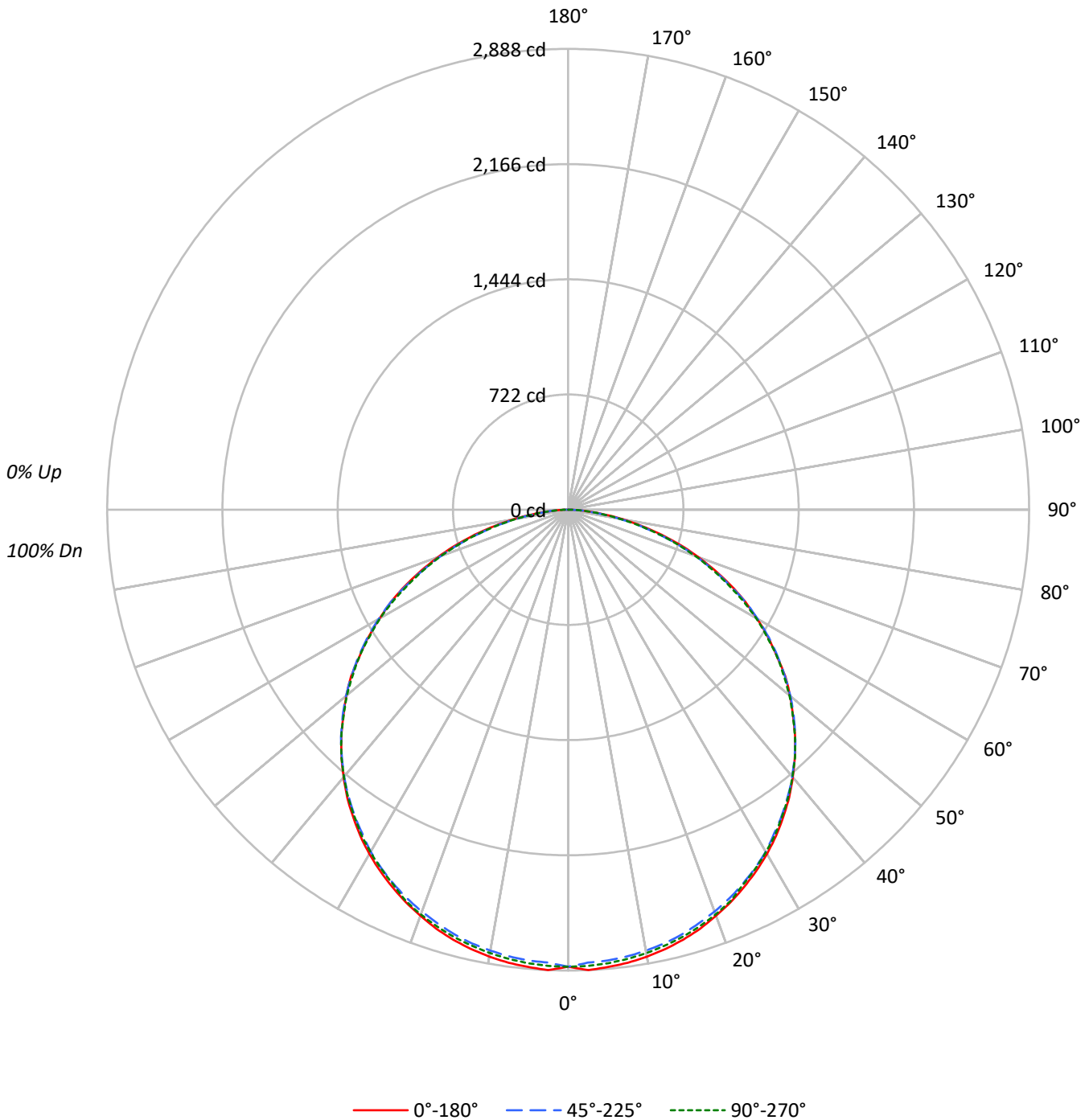
Lumens per Lamp: N/A
Luminaire Lumens: 8573.0 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 62.2
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

TEST NUMBER: P566948

CATALOG NUMBER: 4SNX-87HL-UNV-L940-CD

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°	30827	30827	30827
5°	31076	30644	30827
10°	31091	30667	30839
15°	31077	30700	30875
20°	31015	30695	30917
25°	30977	30732	30790
30°	30957	30761	30791
35°	30881	30689	30738
40°	30757	30688	30705
45°	30590	30644	30590
50°	30383	30444	30281
55°	29910	30069	29910
60°	29405	29536	29276
65°	28676	28337	28029
70°	27311	26700	26625
75°	25203	23992	24092
80°	21559	20208	20586
85°	16018	15722	14672



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.8	3.2
10°-20°	783.1	9.1
20°-30°	1198.9	14.0
30°-40°	1466.6	17.1
40°-50°	1551.2	18.1
50°-60°	1429.2	16.7
60°-70°	1100.0	12.8
70°-80°	618.0	7.2
80°-90°	154.2	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°	2253.8	26.3
0°-40°	3720.4	43.4
0°-60°	6700.8	78.2
0°-90°	8573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8573.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2864	2864	2864	2864	2864	
5°	2876	2868	2836	2862	2853	274
15°	2789	2782	2755	2779	2771	787
25°	2608	2606	2588	2606	2592	1203
35°	2350	2346	2336	2346	2339	1471
45°	2010	2016	2013	2008	2010	1550
55°	1594	1608	1602	1597	1594	1427
65°	1126	1128	1113	1097	1100	1111
75°	606	596	577	568	579	638
85°	130	127	127	124	119	160
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2863.9	2863.9	2863.9	2863.9	2863.9
2.5°	2888.2	2872.4	2840.9	2868.8	2861.5
5°	2876.1	2867.6	2836.1	2861.5	2853.0
7.5°	2863.9	2854.3	2824.0	2851.8	2839.7
10°	2844.6	2836.1	2805.8	2832.4	2821.5
12.5°	2819.1	2811.8	2784.0	2809.4	2798.5
15°	2788.8	2781.5	2754.9	2779.1	2770.6
17.5°	2752.4	2744.0	2718.5	2744.0	2737.9
20°	2707.6	2702.8	2679.7	2702.8	2699.1
22.5°	2661.5	2655.5	2637.3	2654.3	2655.5
25°	2608.2	2605.8	2587.6	2605.8	2592.5
27.5°	2552.5	2552.5	2534.3	2546.4	2537.9
30°	2490.7	2489.4	2474.9	2481.0	2477.3
32.5°	2424.0	2422.8	2403.4	2419.1	2413.1
35°	2350.1	2346.4	2335.5	2346.4	2339.2
37.5°	2273.7	2270.1	2261.6	2267.6	2266.4
40°	2188.9	2188.9	2184.0	2188.9	2185.2
42.5°	2101.6	2105.2	2099.2	2104.0	2104.0
45°	2009.5	2015.5	2013.1	2008.3	2009.5
47.5°	1911.3	1922.2	1916.2	1915.0	1908.9
50°	1814.4	1824.1	1818.0	1811.9	1808.3
52.5°	1713.8	1718.6	1711.3	1708.9	1700.4
55°	1593.8	1608.3	1602.3	1597.4	1593.8
57.5°	1483.5	1494.4	1489.5	1479.8	1473.8
60°	1365.9	1374.4	1372.0	1361.1	1359.9
62.5°	1250.8	1253.2	1250.8	1231.4	1232.6
65°	1125.9	1128.4	1112.6	1096.9	1100.5
67.5°	995.0	1002.3	980.5	957.5	973.2
70°	867.8	865.4	848.4	822.9	846.0
72.5°	736.9	734.5	715.1	696.9	712.7
75°	606.0	596.3	576.9	568.4	579.3
77.5°	470.3	459.3	450.9	444.8	449.7
80°	347.8	333.3	326.0	321.2	332.1
82.5°	231.5	220.6	216.9	220.6	218.2
85°	129.7	127.3	127.3	123.6	118.8
87.5°	53.3	55.8	57.0	55.8	53.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)