

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: P567027

Luminaire Tested: **4SNX-93HL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-93HL-LW-UNV-L935-CD
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

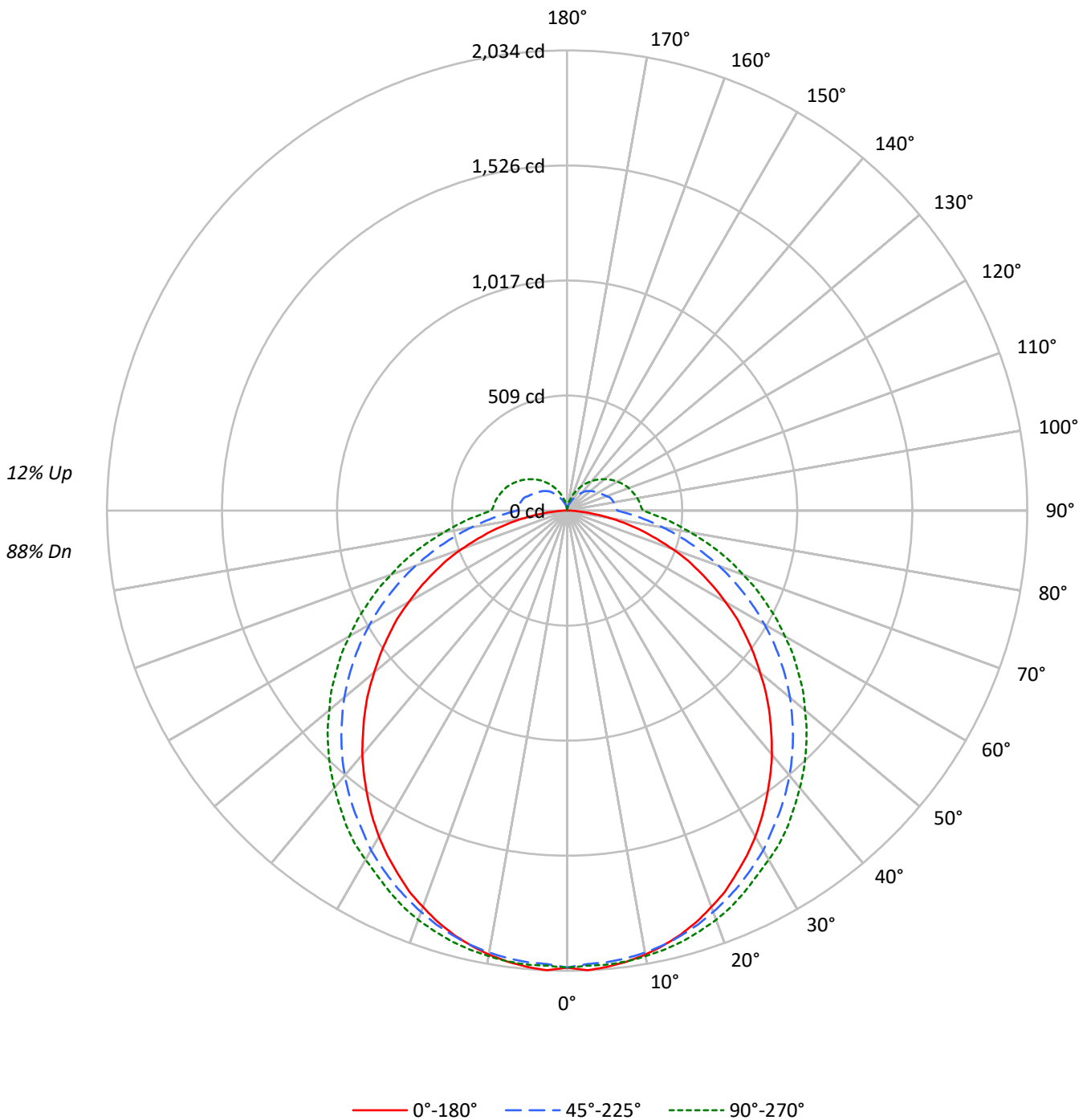
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7272.0 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 67.4
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21742	21742	21742
5°	21800	20741	20571
10°	21619	19923	19561
15°	21382	19112	18638
20°	21035	18291	17746
25°	20630	17493	16834
30°	20193	16713	15993
35°	19652	15894	15239
40°	19121	15129	14419
45°	18489	14323	13637
50°	17761	13489	12806
55°	17050	12575	11983
60°	16228	11613	11098
65°	15228	10567	10182
70°	13961	9434	9190
75°	12190	8195	8240
80°	9742	6955	7153
85°	6249	5763	6245



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.8	2.6
10°-20°	551.6	7.6
20°-30°	839.1	11.5
30°-40°	1020.3	14.0
40°-50°	1079.5	14.8
50°-60°	1011.8	13.9
60°-70°	832.4	11.4
70°-80°	576.0	7.9
80°-90°	320.3	4.4
90°-100°	211.0	2.9
100°-110°	189.2	2.6
110°-120°	156.6	2.2
120°-130°	121.1	1.7
130°-140°	85.7	1.2
140°-150°	51.7	0.7
150°-160°	24.8	0.3
160°-170°	8.1	0.1
170°-180°	1.0	0.0
0°-30°	1582.5	21.8
0°-40°	2602.8	35.8
0°-60°	4694.1	64.6
0°-90°	6422.8	88.3
90°-120°	556.8	7.7
90°-150°	815.3	11.2
90°-180°	849.0	11.7
0°-180°	7272.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2020	2020	2020	2020	2020	
5°	2025	2021	2004	2020	2015	192
15°	1940	1946	1945	1971	1971	547
25°	1771	1796	1817	1857	1858	816
35°	1539	1580	1634	1686	1701	963
45°	1265	1331	1412	1476	1493	975
55°	963	1048	1149	1222	1246	862
65°	651	745	860	945	971	646
75°	339	437	565	655	691	359
85°	75	186	314	401	436	86
90°	1	105	222	305	335	5
95°	1	100	215	295	324	1
105°	1	86	202	278	303	1
115°	2	75	171	247	274	2
125°	2	64	146	210	237	2
135°	2	50	122	173	194	2
145°	2	36	85	131	147	2
155°	4	25	52	83	97	2
165°	4	16	29	39	50	1
175°	4	6	9	9	5	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2019.9	2019.9	2019.9	2019.9	2019.9
2.5°	2033.6	2027.4	2006.2	2019.9	2013.7
5°	2024.9	2021.1	2003.7	2019.9	2014.9
7.5°	2011.2	2009.9	1996.2	2014.9	2009.9
10°	1992.5	1995.0	1983.8	2003.7	2000.0
12.5°	1968.8	1972.6	1967.6	1990.0	1987.5
15°	1940.2	1946.4	1945.2	1971.3	1971.3
17.5°	1905.3	1914.0	1919.0	1948.9	1948.9
20°	1864.2	1877.9	1887.9	1920.3	1925.2
22.5°	1823.1	1839.3	1854.3	1887.9	1895.4
25°	1770.8	1795.7	1816.9	1856.7	1858.0
27.5°	1719.8	1747.2	1775.8	1814.4	1818.1
30°	1663.7	1698.6	1733.5	1770.8	1782.0
32.5°	1603.9	1642.6	1681.2	1731.0	1745.9
35°	1539.2	1580.3	1633.8	1686.1	1701.1
37.5°	1474.4	1520.5	1582.8	1636.3	1650.0
40°	1408.4	1459.5	1529.2	1584.0	1600.2
42.5°	1335.0	1397.2	1471.9	1530.5	1549.2
45°	1265.2	1331.2	1412.2	1475.7	1493.1
47.5°	1191.8	1261.5	1348.7	1415.9	1435.8
50°	1113.3	1193.0	1286.4	1353.6	1372.3
52.5°	1039.8	1120.8	1219.2	1288.9	1315.0
55°	962.6	1048.5	1149.4	1221.6	1246.5
57.5°	890.4	972.6	1080.9	1153.1	1184.3
60°	808.2	899.1	1007.4	1085.9	1110.8
62.5°	731.0	823.1	935.2	1016.2	1044.8
65°	651.3	744.7	860.5	945.2	971.3
67.5°	576.6	668.7	787.0	870.5	904.1
70°	494.4	591.5	712.3	798.2	826.9
72.5°	413.4	514.3	637.6	729.7	762.1
75°	338.7	437.1	565.4	655.0	691.1
77.5°	266.5	366.1	495.6	587.8	618.9
80°	194.3	298.9	430.9	521.8	551.7
82.5°	128.3	237.9	368.6	459.5	491.9
85°	74.7	185.6	313.8	401.0	435.9
87.5°	32.4	140.7	262.8	348.7	377.3
90°	1.2	104.6	221.7	305.1	335.0
92.5°	1.2	102.1	216.7	298.9	327.5
95°	1.2	99.6	215.4	295.1	323.8
97.5°	1.2	98.4	212.9	292.6	320.0
100°	1.2	94.6	209.2	287.7	315.1
102.5°	1.2	89.7	205.5	282.7	308.8
105°	1.2	85.9	201.7	277.7	302.6
107.5°	1.2	82.2	195.5	271.5	296.4
110°	1.2	78.5	185.6	265.2	290.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	77.2	178.1	256.5	282.7
115°	2.5	74.7	170.6	246.6	274.0
117.5°	2.5	73.5	164.4	236.6	265.2
120°	2.5	69.7	158.2	227.9	255.3
122.5°	2.5	66.0	151.9	219.2	246.6
125°	2.5	63.5	145.7	210.5	236.6
127.5°	2.5	59.8	140.7	201.7	225.4
130°	2.5	57.3	134.5	191.8	215.4
132.5°	2.5	53.5	128.3	181.8	204.2
135°	2.5	49.8	122.0	173.1	194.3
137.5°	2.5	44.8	114.6	163.1	183.1
140°	2.5	41.1	104.6	153.2	171.9
142.5°	2.5	38.6	94.6	142.0	159.4
145°	2.5	36.1	84.7	130.8	146.9
147.5°	2.5	33.6	76.0	119.5	134.5
150°	2.5	29.9	67.2	109.6	122.0
152.5°	3.7	27.4	59.8	97.1	109.6
155°	3.7	24.9	52.3	83.4	97.1
157.5°	3.7	22.4	44.8	69.7	84.7
160°	3.7	19.9	38.6	57.3	72.2
162.5°	3.7	18.7	33.6	47.3	61.0
165°	3.7	16.2	28.6	38.6	49.8
167.5°	3.7	12.5	23.7	29.9	41.1
170°	3.7	10.0	18.7	21.2	31.1
172.5°	3.7	7.5	13.7	14.9	16.2
175°	3.7	6.2	8.7	8.7	5.0
177.5°	3.7	5.0	5.0	5.0	2.5
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)