

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: P567015

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-93HL-LN-UNV-L835-CD
Description: 4FT 9300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

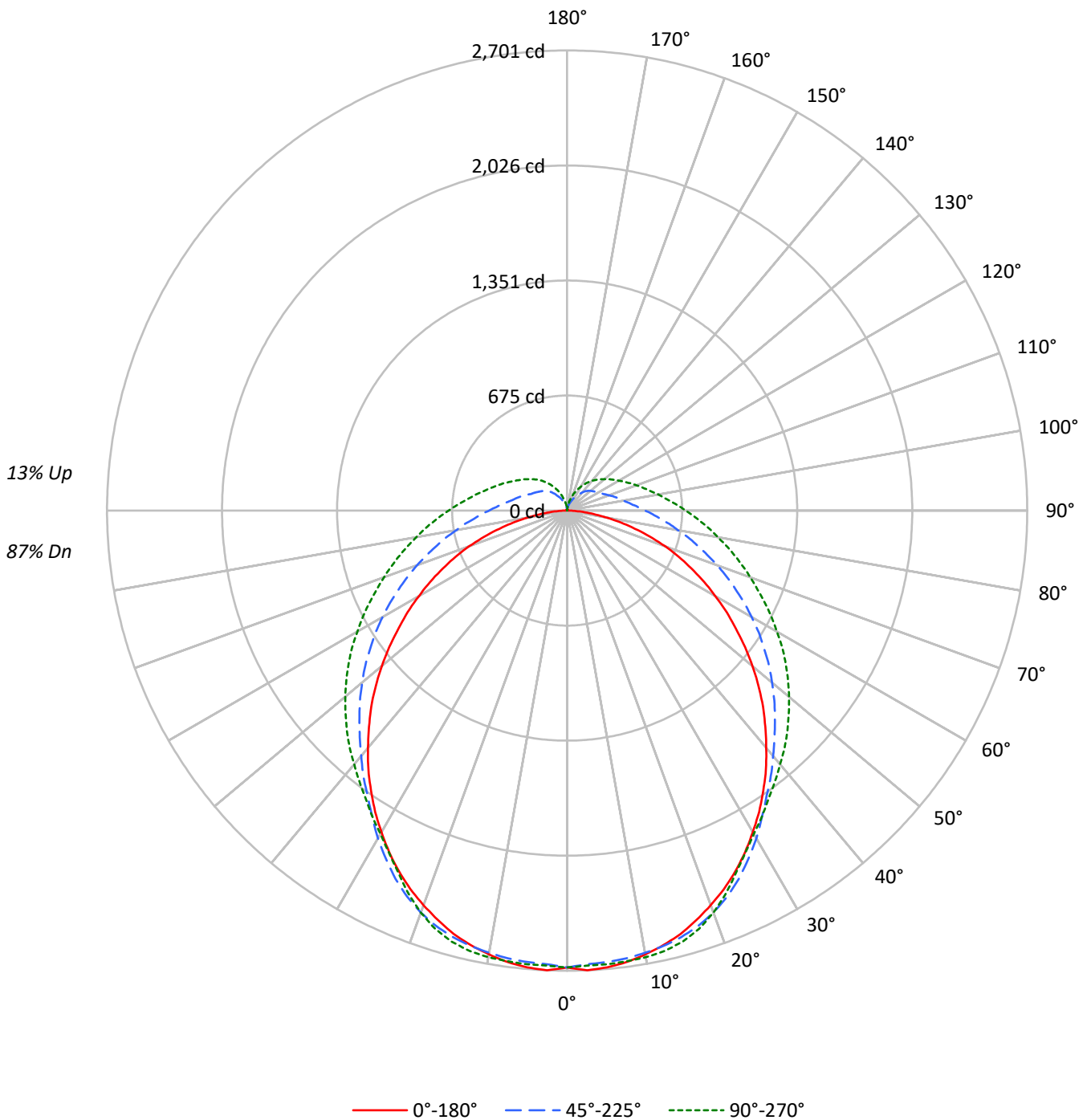
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9680.0 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
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	50	30	10	0	
RCR																						
0	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	87				
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68				
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56				
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46				
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39				
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34				
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29				
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26				
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23				
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21				
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28863	28863	28863
5°	28975	27537	27293
10°	28703	26469	26033
15°	28358	25460	24764
20°	27813	24327	23145
25°	27226	22958	21247
30°	26452	21422	19663
35°	25626	19861	18479
40°	24686	18606	17523
45°	23766	17494	16698
50°	22673	16469	15866
55°	21393	15440	15051
60°	20165	14415	14199
65°	18800	13381	13418
70°	17240	12412	12712
75°	14825	11465	12132
80°	11682	10647	11639
85°	7822	10066	11356



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.7	2.6
10°-20°	732.4	7.6
20°-30°	1090.6	11.3
30°-40°	1286.9	13.3
40°-50°	1342.1	13.9
50°-60°	1261.2	13.0
60°-70°	1065.1	11.0
70°-80°	804.8	8.3
80°-90°	554.7	5.7
90°-100°	388.2	4.0
100°-110°	289.7	3.0
110°-120°	218.4	2.3
120°-130°	162.9	1.7
130°-140°	114.3	1.2
140°-150°	69.1	0.7
150°-160°	33.1	0.3
160°-170°	10.6	0.1
170°-180°	1.3	0.0
0°-30°	2077.8	21.5
0°-40°	3364.7	34.8
0°-60°	5967.9	61.7
0°-90°	8392.5	86.7
90°-120°	896.3	9.3
90°-150°	1242.6	12.8
90°-180°	1287.0	13.3
0°-180°	9680.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2682	2682	2682	2682	2682	
5°	2691	2686	2660	2680	2673	255
15°	2573	2585	2591	2624	2619	725
25°	2337	2384	2384	2363	2345	1075
35°	2007	2081	2042	2058	2063	1255
45°	1626	1707	1725	1795	1828	1252
55°	1208	1311	1411	1525	1566	1084
65°	804	932	1090	1232	1280	799
75°	412	571	791	957	1018	439
85°	94	294	548	729	793	105
90°	2	208	458	634	696	7
95°	2	162	387	555	612	1
105°	3	116	299	433	482	3
115°	3	100	231	345	389	3
125°	5	85	195	282	318	4
135°	5	66	162	230	258	4
145°	7	48	113	176	197	4
155°	7	31	69	112	130	3
165°	8	20	36	49	66	2
175°	8	8	10	10	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2681.5	2681.5	2681.5	2681.5	2681.5
2.5°	2701.2	2694.7	2665.1	2681.5	2673.3
5°	2691.4	2686.5	2660.2	2679.9	2673.3
7.5°	2673.3	2671.7	2652.0	2675.0	2668.4
10°	2645.4	2650.4	2635.6	2666.8	2661.8
12.5°	2612.6	2622.5	2617.5	2652.0	2647.1
15°	2573.2	2584.7	2591.3	2624.1	2619.2
17.5°	2520.7	2542.0	2556.8	2583.1	2574.9
20°	2464.9	2494.5	2510.9	2524.0	2510.9
22.5°	2404.2	2443.6	2453.4	2446.9	2433.7
25°	2336.9	2384.5	2384.5	2363.2	2345.1
27.5°	2261.4	2320.5	2304.1	2279.5	2264.7
30°	2179.4	2249.9	2222.0	2194.1	2190.9
32.5°	2097.3	2171.2	2130.1	2123.6	2128.5
35°	2007.1	2080.9	2041.5	2057.9	2062.8
37.5°	1916.8	1990.6	1964.4	1989.0	2003.8
40°	1818.3	1897.1	1880.7	1925.0	1944.7
42.5°	1721.5	1803.6	1801.9	1859.4	1888.9
45°	1626.3	1706.7	1724.8	1795.4	1828.2
47.5°	1522.9	1605.0	1649.3	1731.3	1764.2
50°	1421.2	1509.8	1570.5	1662.4	1700.2
52.5°	1316.2	1409.7	1493.4	1595.1	1634.5
55°	1207.8	1311.2	1411.3	1524.6	1565.6
57.5°	1111.0	1216.0	1334.2	1450.7	1498.3
60°	1004.3	1120.9	1250.5	1373.6	1421.2
62.5°	907.5	1027.3	1171.7	1301.4	1352.3
65°	804.1	932.1	1089.7	1232.5	1280.0
67.5°	709.0	840.2	1012.6	1157.0	1209.5
70°	610.5	750.0	937.1	1089.7	1143.8
72.5°	508.7	656.4	861.6	1024.0	1079.8
75°	411.9	571.1	791.0	956.8	1017.5
77.5°	321.7	489.0	727.0	897.7	956.8
80°	233.0	415.2	659.7	837.0	897.7
82.5°	154.3	351.2	605.6	782.8	846.8
85°	93.5	293.8	548.1	728.6	792.6
87.5°	42.7	246.2	502.2	681.1	743.4
90°	1.6	208.4	457.9	633.5	695.8
92.5°	1.6	182.2	421.8	592.4	653.2
95°	1.6	162.5	387.3	554.7	612.1
97.5°	1.6	149.3	361.0	518.6	574.4
100°	1.6	136.2	334.8	485.8	543.2
102.5°	3.3	124.7	315.1	456.2	510.4
105°	3.3	116.5	298.7	433.2	482.5
107.5°	3.3	111.6	280.6	410.3	456.2
110°	3.3	106.7	260.9	387.3	433.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.3	103.4	246.2	367.6	411.9
115°	3.3	100.1	231.4	344.6	388.9
117.5°	3.3	98.5	223.2	326.6	369.2
120°	4.9	93.5	213.3	310.2	351.2
122.5°	4.9	88.6	203.5	297.0	333.1
125°	4.9	85.3	195.3	282.3	318.4
127.5°	4.9	80.4	187.1	269.1	302.0
130°	4.9	75.5	180.5	256.0	287.2
132.5°	4.9	70.6	172.3	242.9	272.4
135°	4.9	65.6	162.5	229.8	257.7
137.5°	4.9	60.7	152.6	216.6	242.9
140°	4.9	55.8	139.5	203.5	228.1
142.5°	4.9	50.9	126.4	190.4	211.7
145°	6.6	47.6	113.2	175.6	196.9
147.5°	6.6	42.7	100.1	160.8	178.9
150°	6.6	39.4	90.3	146.1	162.5
152.5°	6.6	34.5	80.4	129.6	146.1
155°	6.6	31.2	68.9	111.6	129.6
157.5°	6.6	27.9	59.1	93.5	113.2
160°	6.6	26.3	50.9	77.1	96.8
162.5°	8.2	23.0	42.7	62.4	80.4
165°	8.2	19.7	36.1	49.2	65.6
167.5°	8.2	16.4	29.5	37.7	50.9
170°	8.2	13.1	23.0	26.3	39.4
172.5°	8.2	9.8	16.4	18.1	19.7
175°	8.2	8.2	9.8	9.8	4.9
177.5°	8.2	8.2	6.6	4.9	1.6
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)