

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: P567414

Luminaire Tested: **8SNX-148HL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567414
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: 8SNX-148HL-LN-UNV-L930-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

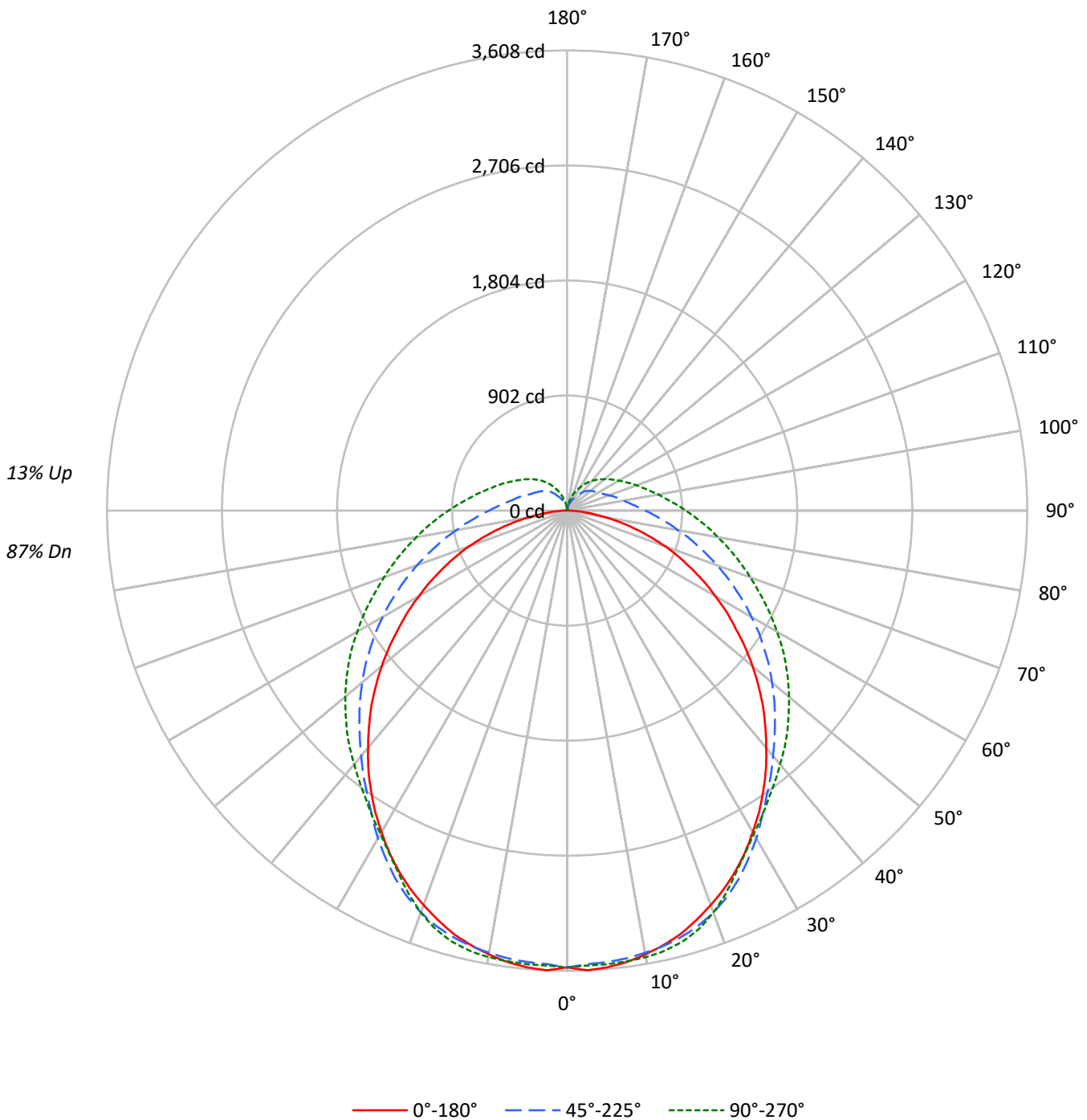
Lumens per Lamp: N/A
Luminaire Lumens: 12929.0 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 103.6
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	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°	19276	19276	19276
5°	19385	18413	18227
10°	19239	17719	17386
15°	19043	17062	16538
20°	18714	16320	15457
25°	18357	15417	14189
30°	17875	14401	13131
35°	17359	13365	12341
40°	16769	12535	11702
45°	16196	11798	11151
50°	15508	11121	10595
55°	14700	10439	10051
60°	13936	9760	9482
65°	13092	9074	8961
70°	12136	8432	8490
75°	10616	7806	8102
80°	8629	7269	7773
85°	6229	6895	7584



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.2	2.6
10°-20°	978.2	7.6
20°-30°	1456.7	11.3
30°-40°	1718.8	13.3
40°-50°	1792.5	13.9
50°-60°	1684.5	13.0
60°-70°	1422.6	11.0
70°-80°	1074.9	8.3
80°-90°	740.9	5.7
90°-100°	518.5	4.0
100°-110°	386.9	3.0
110°-120°	291.7	2.3
120°-130°	217.5	1.7
130°-140°	152.7	1.2
140°-150°	92.3	0.7
150°-160°	44.1	0.3
160°-170°	14.1	0.1
170°-180°	1.7	0.0
0°-30°	2775.2	21.5
0°-40°	4494.0	34.8
0°-60°	7971.0	61.7
0°-90°	11209.4	86.7
90°-120°	1197.1	9.3
90°-150°	1659.7	12.8
90°-180°	1720.0	13.3
0°-180°	12929.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3582	3582	3582	3582	3582	
5°	3595	3588	3553	3579	3571	341
15°	3437	3452	3461	3505	3498	968
25°	3121	3185	3185	3156	3132	1436
35°	2681	2779	2727	2749	2755	1676
45°	2172	2280	2304	2398	2442	1673
55°	1613	1751	1885	2036	2091	1447
65°	1074	1245	1455	1646	1710	1067
75°	550	763	1056	1278	1359	586
85°	125	392	732	973	1059	140
90°	2	278	612	846	929	9
95°	2	217	517	741	818	2
105°	4	156	399	579	644	4
115°	4	134	309	460	520	5
125°	7	114	261	377	425	6
135°	7	88	217	307	344	5
145°	9	64	151	234	263	5
155°	9	42	92	149	173	4
165°	11	26	48	66	88	3
175°	11	11	13	13	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3581.6	3581.6	3581.6	3581.6	3581.6
2.5°	3607.9	3599.1	3559.7	3581.6	3570.6
5°	3594.7	3588.1	3553.1	3579.4	3570.6
7.5°	3570.6	3568.4	3542.1	3572.8	3564.0
10°	3533.4	3539.9	3520.2	3561.8	3555.3
12.5°	3489.5	3502.7	3496.1	3542.1	3535.5
15°	3436.9	3452.3	3461.0	3504.9	3498.3
17.5°	3366.8	3395.3	3415.0	3450.1	3439.1
20°	3292.2	3331.7	3353.6	3371.2	3353.6
22.5°	3211.1	3263.7	3276.9	3268.1	3250.6
25°	3121.3	3184.8	3184.8	3156.3	3132.2
27.5°	3020.4	3099.4	3077.4	3044.6	3024.8
30°	2910.9	3005.1	2967.8	2930.6	2926.2
32.5°	2801.3	2899.9	2845.1	2836.3	2842.9
35°	2680.7	2779.3	2726.7	2748.6	2755.2
37.5°	2560.1	2658.8	2623.7	2656.6	2676.3
40°	2428.6	2533.8	2511.9	2571.1	2597.4
42.5°	2299.3	2408.9	2406.7	2483.4	2522.9
45°	2172.2	2279.6	2303.7	2397.9	2441.8
47.5°	2034.1	2143.7	2202.9	2312.5	2356.3
50°	1898.2	2016.6	2097.7	2220.4	2270.8
52.5°	1757.9	1882.8	1994.6	2130.5	2183.1
55°	1613.2	1751.3	1885.0	2036.3	2091.1
57.5°	1483.9	1624.2	1782.0	1937.6	2001.2
60°	1341.4	1497.1	1670.2	1834.6	1898.2
62.5°	1212.1	1372.1	1565.0	1738.2	1806.1
65°	1074.0	1245.0	1455.4	1646.1	1709.7
67.5°	946.9	1122.3	1352.4	1545.3	1615.4
70°	815.4	1001.7	1251.6	1455.4	1527.8
72.5°	679.5	876.8	1150.8	1367.7	1442.3
75°	550.2	762.8	1056.5	1277.9	1359.0
77.5°	429.6	653.2	971.0	1199.0	1277.9
80°	311.3	554.6	881.1	1117.9	1199.0
82.5°	206.0	469.1	808.8	1045.5	1131.0
85°	124.9	392.4	732.1	973.2	1058.7
87.5°	57.0	328.8	670.7	909.6	992.9
90°	2.2	278.4	611.5	846.1	929.4
92.5°	2.2	243.3	563.3	791.3	872.4
95°	2.2	217.0	517.3	740.9	817.6
97.5°	2.2	199.5	482.2	692.6	767.2
100°	2.2	181.9	447.1	648.8	725.5
102.5°	4.4	166.6	420.8	609.3	681.7
105°	4.4	155.6	398.9	578.7	644.4
107.5°	4.4	149.0	374.8	548.0	609.3
110°	4.4	142.5	348.5	517.3	578.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.4	138.1	328.8	491.0	550.2
115°	4.4	133.7	309.1	460.3	519.5
117.5°	4.4	131.5	298.1	436.2	493.2
120°	6.6	124.9	284.9	414.3	469.1
122.5°	6.6	118.4	271.8	396.7	445.0
125°	6.6	114.0	260.8	377.0	425.2
127.5°	6.6	107.4	249.9	359.5	403.3
130°	6.6	100.8	241.1	341.9	383.6
132.5°	6.6	94.3	230.2	324.4	363.9
135°	6.6	87.7	217.0	306.9	344.1
137.5°	6.6	81.1	203.8	289.3	324.4
140°	6.6	74.5	186.3	271.8	304.7
142.5°	6.6	67.9	168.8	254.3	282.8
145°	8.8	63.6	151.2	234.5	263.0
147.5°	8.8	57.0	133.7	214.8	238.9
150°	8.8	52.6	120.6	195.1	217.0
152.5°	8.8	46.0	107.4	173.2	195.1
155°	8.8	41.6	92.1	149.0	173.2
157.5°	8.8	37.3	78.9	124.9	151.2
160°	8.8	35.1	67.9	103.0	129.3
162.5°	11.0	30.7	57.0	83.3	107.4
165°	11.0	26.3	48.2	65.8	87.7
167.5°	11.0	21.9	39.5	50.4	67.9
170°	11.0	17.5	30.7	35.1	52.6
172.5°	11.0	13.2	21.9	24.1	26.3
175°	11.0	11.0	13.2	13.2	6.6
177.5°	11.0	11.0	8.8	6.6	2.2
180°	6.6	6.6	6.6	6.6	6.6

(END OF REPORT)