

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: P567432

Luminaire Tested: **8SNX-148HL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

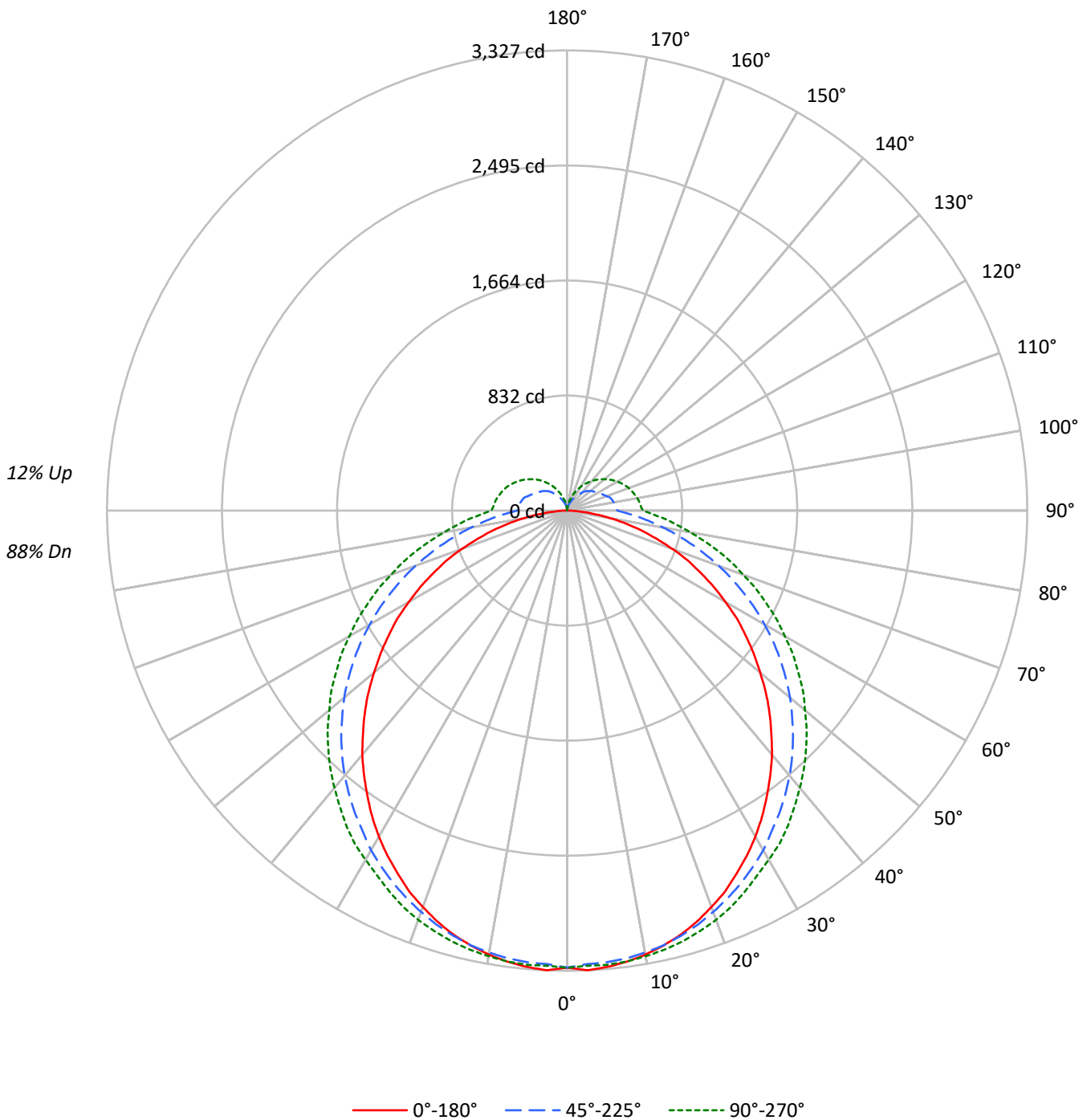
Test Method: LM-79-08  
Report Number: P567432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-148HL-SLW-UNV-L940-CD  
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11896.0 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
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	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°	17783	17783	17783
5°	17879	17341	17305
10°	17780	17009	16891
15°	17635	16649	16500
20°	17400	16255	16093
25°	17119	15860	15629
30°	16813	15461	15203
35°	16424	15015	14834
40°	16047	14608	14384
45°	15591	14156	13957
50°	15062	13674	13468
55°	14560	13110	12980
60°	13980	12499	12418
65°	13272	11800	11820
70°	12373	11011	11132
75°	11093	10104	10500
80°	9302	9207	9703
85°	6746	8416	9183



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	313.7	2.6
10°-20°	902.3	7.6
20°-30°	1372.7	11.5
30°-40°	1669.1	14.0
40°-50°	1765.8	14.8
50°-60°	1655.2	13.9
60°-70°	1361.7	11.4
70°-80°	942.2	7.9
80°-90°	523.9	4.4
90°-100°	345.2	2.9
100°-110°	309.5	2.6
110°-120°	256.2	2.2
120°-130°	198.1	1.7
130°-140°	140.2	1.2
140°-150°	84.6	0.7
150°-160°	40.6	0.3
160°-170°	13.3	0.1
170°-180°	1.6	0.0
0°-30°	2588.8	21.8
0°-40°	4257.8	35.8
0°-60°	7678.9	64.6
0°-90°	10506.8	88.3
90°-120°	910.8	7.7
90°-150°	1333.7	11.2
90°-180°	1389.0	11.7
0°-180°	11896.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3304	3304	3304	3304	3304	
5°	3312	3306	3278	3304	3296	314
15°	3174	3184	3182	3225	3225	895
25°	2897	2938	2972	3037	3039	1335
35°	2518	2585	2673	2758	2783	1576
45°	2070	2178	2310	2414	2442	1595
55°	1575	1715	1880	1998	2039	1410
65°	1065	1218	1408	1546	1589	1056
75°	554	715	925	1072	1131	588
85°	122	304	513	656	713	141
90°	2	171	363	499	548	8
95°	2	163	352	483	530	2
105°	2	141	330	454	495	2
115°	4	122	279	403	448	3
125°	4	104	238	344	387	4
135°	4	82	200	283	318	3
145°	4	59	138	214	240	3
155°	6	41	86	136	159	3
165°	6	26	47	63	82	2
175°	6	10	14	14	8	1
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3304.2	3304.2	3304.2	3304.2	3304.2
2.5°	3326.7	3316.5	3281.8	3304.2	3294.1
5°	3312.4	3306.3	3277.8	3304.2	3296.1
7.5°	3290.0	3288.0	3265.5	3296.1	3288.0
10°	3259.4	3263.5	3245.2	3277.8	3271.7
12.5°	3220.7	3226.8	3218.7	3255.4	3251.3
15°	3173.9	3184.1	3182.0	3224.8	3224.8
17.5°	3116.8	3131.1	3139.2	3188.1	3188.1
20°	3049.6	3072.0	3088.3	3141.3	3149.4
22.5°	2982.4	3008.9	3033.3	3088.3	3100.5
25°	2896.8	2937.6	2972.2	3037.4	3039.4
27.5°	2813.3	2858.1	2905.0	2968.1	2974.2
30°	2721.6	2778.7	2835.7	2896.8	2915.2
32.5°	2623.8	2687.0	2750.1	2831.6	2856.1
35°	2517.9	2585.1	2672.7	2758.3	2782.7
37.5°	2412.0	2487.4	2589.2	2676.8	2699.2
40°	2304.0	2387.5	2501.6	2591.2	2617.7
42.5°	2183.8	2285.7	2407.9	2503.7	2534.2
45°	2069.7	2177.7	2310.1	2414.0	2442.5
47.5°	1949.5	2063.6	2206.2	2316.2	2348.8
50°	1821.2	1951.6	2104.4	2214.4	2244.9
52.5°	1701.0	1833.4	1994.4	2108.4	2151.2
55°	1574.7	1715.3	1880.3	1998.4	2039.2
57.5°	1456.6	1591.0	1768.2	1886.4	1937.3
60°	1322.1	1470.8	1648.1	1776.4	1817.1
62.5°	1195.8	1346.6	1529.9	1662.3	1709.2
65°	1065.4	1218.2	1407.7	1546.2	1589.0
67.5°	943.2	1093.9	1287.5	1424.0	1479.0
70°	808.7	967.6	1165.2	1305.8	1352.7
72.5°	676.3	841.3	1043.0	1193.8	1246.7
75°	554.1	715.0	924.9	1071.5	1130.6
77.5°	435.9	598.9	810.8	961.5	1012.5
80°	317.8	488.9	704.9	853.6	902.5
82.5°	209.8	389.1	603.0	751.7	804.7
85°	122.2	303.5	513.4	656.0	713.0
87.5°	53.0	230.2	429.8	570.4	617.3
90°	2.0	171.1	362.6	499.1	548.0
92.5°	2.0	167.0	354.5	488.9	535.8
95°	2.0	163.0	352.4	482.8	529.7
97.5°	2.0	160.9	348.4	478.7	523.5
100°	2.0	154.8	342.2	470.6	515.4
102.5°	2.0	146.7	336.1	462.4	505.2
105°	2.0	140.6	330.0	454.3	495.0
107.5°	2.0	134.5	319.8	444.1	484.8
110°	2.0	128.3	303.5	433.9	474.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	126.3	291.3	419.7	462.4
115°	4.1	122.2	279.1	403.4	448.2
117.5°	4.1	120.2	268.9	387.1	433.9
120°	4.1	114.1	258.7	372.8	417.6
122.5°	4.1	108.0	248.5	358.5	403.4
125°	4.1	103.9	238.3	344.3	387.1
127.5°	4.1	97.8	230.2	330.0	368.7
130°	4.1	93.7	220.0	313.7	352.4
132.5°	4.1	87.6	209.8	297.4	334.1
135°	4.1	81.5	199.6	283.2	317.8
137.5°	4.1	73.3	187.4	266.9	299.5
140°	4.1	67.2	171.1	250.6	281.1
142.5°	4.1	63.2	154.8	232.2	260.8
145°	4.1	59.1	138.5	213.9	240.4
147.5°	4.1	55.0	124.3	195.6	220.0
150°	4.1	48.9	110.0	179.3	199.6
152.5°	6.1	44.8	97.8	158.9	179.3
155°	6.1	40.7	85.6	136.5	158.9
157.5°	6.1	36.7	73.3	114.1	138.5
160°	6.1	32.6	63.2	93.7	118.2
162.5°	6.1	30.6	55.0	77.4	99.8
165°	6.1	26.5	46.9	63.2	81.5
167.5°	6.1	20.4	38.7	48.9	67.2
170°	6.1	16.3	30.6	34.6	50.9
172.5°	6.1	12.2	22.4	24.4	26.5
175°	6.1	10.2	14.3	14.3	8.1
177.5°	6.1	8.1	8.1	8.1	4.1
180°	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)