

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: P567428

Luminaire Tested: **8SNX-148HL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567428
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-L840-CD
Description: 8FT 14800 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

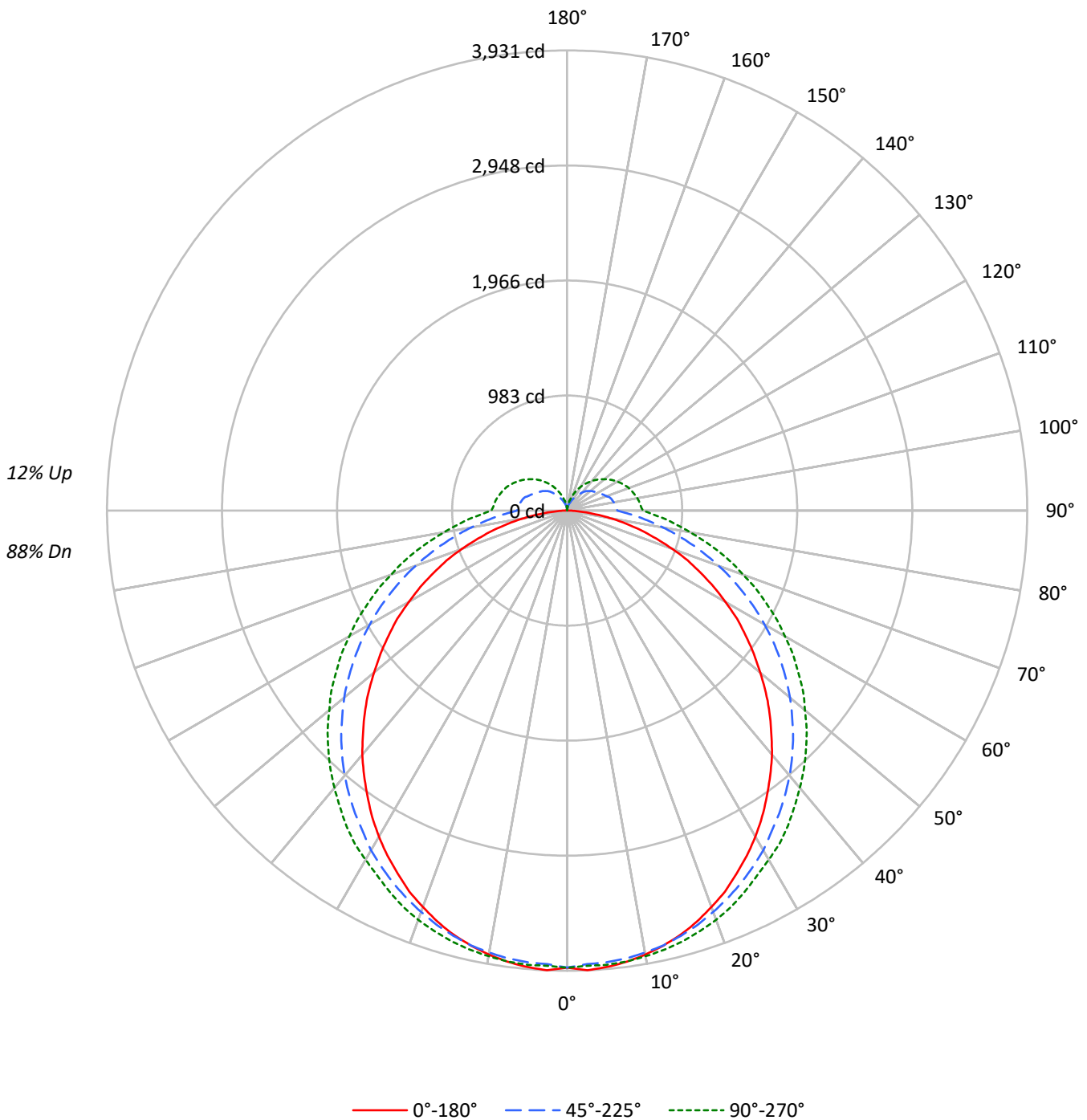
Lumens per Lamp: N/A
Luminaire Lumens: 14056.0 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	21012	21012	21012
5°	21125	20489	20447
10°	21009	20097	19958
15°	20837	19673	19496
20°	20560	19207	19015
25°	20228	18739	18467
30°	19866	18269	17963
35°	19406	17741	17528
40°	18962	17260	16996
45°	18422	16726	16491
50°	17797	16157	15913
55°	17203	15491	15336
60°	16519	14768	14673
65°	15683	13943	13966
70°	14620	13011	13153
75°	13107	11938	12407
80°	10991	10877	11464
85°	7972	9943	10850



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.6	2.6
10°-20°	1066.2	7.6
20°-30°	1622.0	11.5
30°-40°	1972.1	14.0
40°-50°	2086.5	14.8
50°-60°	1955.8	13.9
60°-70°	1609.0	11.4
70°-80°	1113.3	7.9
80°-90°	619.1	4.4
90°-100°	407.8	2.9
100°-110°	365.7	2.6
110°-120°	302.7	2.2
120°-130°	234.0	1.7
130°-140°	165.7	1.2
140°-150°	99.9	0.7
150°-160°	48.0	0.3
160°-170°	15.7	0.1
170°-180°	1.9	0.0
0°-30°	3058.8	21.8
0°-40°	5030.9	35.8
0°-60°	9073.2	64.6
0°-90°	12414.5	88.3
90°-120°	1076.2	7.7
90°-150°	1575.8	11.2
90°-180°	1641.0	11.7
0°-180°	14056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3904	3904	3904	3904	3904	
5°	3914	3907	3873	3904	3895	372
15°	3750	3762	3760	3810	3810	1057
25°	3423	3471	3512	3589	3591	1578
35°	2975	3054	3158	3259	3288	1862
45°	2446	2573	2730	2852	2886	1885
55°	1861	2027	2222	2361	2409	1666
65°	1259	1439	1663	1827	1878	1248
75°	655	845	1093	1266	1336	695
85°	144	359	607	775	842	166
90°	2	202	428	590	648	10
95°	2	193	416	570	626	2
105°	2	166	390	537	585	3
115°	5	144	330	477	530	4
125°	5	123	282	407	457	4
135°	5	96	236	335	376	4
145°	5	70	164	253	284	3
155°	7	48	101	161	188	3
165°	7	31	55	75	96	2
175°	7	12	17	17	10	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3904.2	3904.2	3904.2	3904.2	3904.2
2.5°	3930.7	3918.7	3877.7	3904.2	3892.2
5°	3913.8	3906.6	3872.9	3904.2	3894.6
7.5°	3887.4	3885.0	3858.5	3894.6	3885.0
10°	3851.3	3856.1	3834.4	3872.9	3865.7
12.5°	3805.5	3812.7	3803.1	3846.4	3841.6
15°	3750.2	3762.2	3759.8	3810.3	3810.3
17.5°	3682.8	3699.6	3709.2	3767.0	3767.0
20°	3603.3	3629.8	3649.1	3711.7	3721.3
22.5°	3523.9	3555.2	3584.1	3649.1	3663.5
25°	3422.8	3470.9	3511.9	3588.9	3591.3
27.5°	3324.1	3377.1	3432.4	3507.1	3514.3
30°	3215.8	3283.2	3350.6	3422.8	3444.5
32.5°	3100.3	3174.9	3249.5	3345.8	3374.7
35°	2975.1	3054.5	3158.0	3259.1	3288.0
37.5°	2849.9	2939.0	3059.3	3162.8	3189.3
40°	2722.4	2821.0	2955.8	3061.8	3093.0
42.5°	2580.3	2700.7	2845.1	2958.2	2994.4
45°	2445.5	2573.1	2729.6	2852.3	2886.0
47.5°	2303.5	2438.3	2606.8	2736.8	2775.3
50°	2151.9	2305.9	2486.5	2616.4	2652.6
52.5°	2009.9	2166.3	2356.5	2491.3	2541.8
55°	1860.6	2026.7	2221.7	2361.3	2409.4
57.5°	1721.0	1879.9	2089.3	2228.9	2289.1
60°	1562.2	1737.9	1947.3	2098.9	2147.1
62.5°	1412.9	1591.1	1807.7	1964.1	2019.5
65°	1258.9	1439.4	1663.3	1826.9	1877.5
67.5°	1114.5	1292.6	1521.2	1682.5	1747.5
70°	955.6	1143.3	1376.8	1542.9	1598.3
72.5°	799.1	994.1	1232.4	1410.5	1473.1
75°	654.7	844.9	1092.8	1266.1	1335.9
77.5°	515.1	707.7	958.0	1136.1	1196.3
80°	375.5	577.7	832.8	1008.5	1066.3
82.5°	247.9	459.7	712.5	888.2	950.8
85°	144.4	358.6	606.6	775.1	842.5
87.5°	62.6	272.0	507.9	674.0	729.3
90°	2.4	202.2	428.5	589.7	647.5
92.5°	2.4	197.4	418.8	577.7	633.1
95°	2.4	192.6	416.4	570.5	625.8
97.5°	2.4	190.2	411.6	565.7	618.6
100°	2.4	182.9	404.4	556.0	609.0
102.5°	2.4	173.3	397.2	546.4	596.9
105°	2.4	166.1	389.9	536.8	584.9
107.5°	2.4	158.9	377.9	524.7	572.9
110°	2.4	151.6	358.6	512.7	560.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	149.2	344.2	495.8	546.4
115°	4.8	144.4	329.8	476.6	529.5
117.5°	4.8	142.0	317.7	457.3	512.7
120°	4.8	134.8	305.7	440.5	493.4
122.5°	4.8	127.6	293.7	423.6	476.6
125°	4.8	122.8	281.6	406.8	457.3
127.5°	4.8	115.5	272.0	389.9	435.7
130°	4.8	110.7	260.0	370.7	416.4
132.5°	4.8	103.5	247.9	351.4	394.8
135°	4.8	96.3	235.9	334.6	375.5
137.5°	4.8	86.7	221.4	315.3	353.8
140°	4.8	79.4	202.2	296.1	332.2
142.5°	4.8	74.6	182.9	274.4	308.1
145°	4.8	69.8	163.7	252.7	284.0
147.5°	4.8	65.0	146.8	231.1	260.0
150°	4.8	57.8	130.0	211.8	235.9
152.5°	7.2	53.0	115.5	187.7	211.8
155°	7.2	48.1	101.1	161.3	187.7
157.5°	7.2	43.3	86.7	134.8	163.7
160°	7.2	38.5	74.6	110.7	139.6
162.5°	7.2	36.1	65.0	91.5	117.9
165°	7.2	31.3	55.4	74.6	96.3
167.5°	7.2	24.1	45.7	57.8	79.4
170°	7.2	19.3	36.1	40.9	60.2
172.5°	7.2	14.4	26.5	28.9	31.3
175°	7.2	12.0	16.8	16.8	9.6
177.5°	7.2	9.6	9.6	9.6	4.8
180°	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)