

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: P567614

Luminaire Tested: **8SNX-180HL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567614
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-180HL-LW-UNV-L930-CD
Description: 8FT 18000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

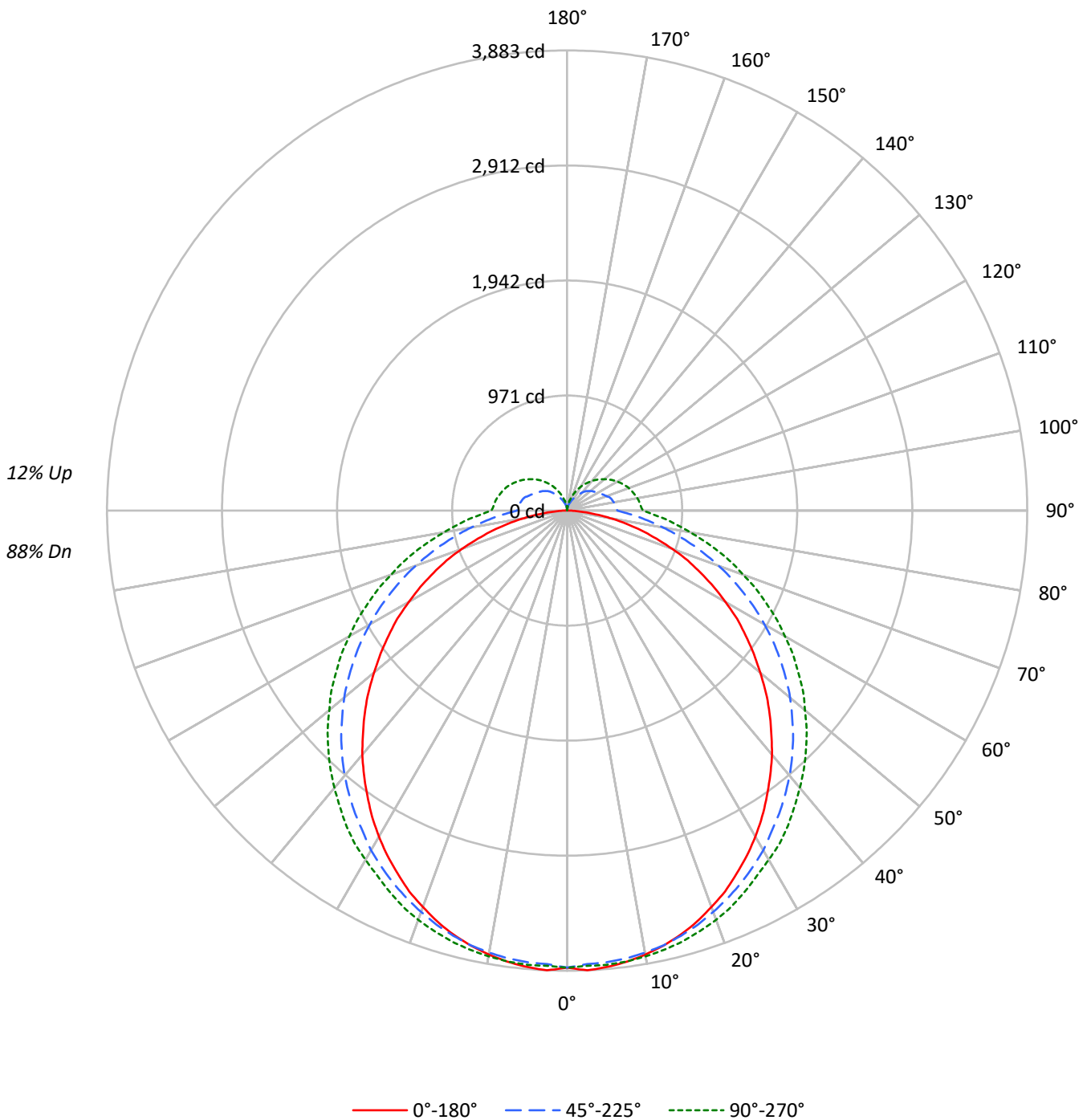
Lumens per Lamp: N/A
Luminaire Lumens: 13885.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 128.8
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°	20757	20757	20757
5°	20849	19826	19639
10°	20715	19066	18674
15°	20526	18309	17794
20°	20233	17542	16943
25°	19886	16794	16071
30°	19507	16061	15269
35°	19031	15291	14548
40°	18569	14571	13766
45°	18012	13810	13019
50°	17367	13021	12226
55°	16748	12154	11440
60°	16032	11241	10595
65°	15160	10244	9721
70°	14050	9163	8773
75°	12478	7976	7867
80°	10281	6787	6828
85°	7117	5643	5961



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.1	2.6
10°-20°	1053.2	7.6
20°-30°	1602.2	11.5
30°-40°	1948.2	14.0
40°-50°	2061.1	14.8
50°-60°	1932.0	13.9
60°-70°	1589.4	11.4
70°-80°	1099.7	7.9
80°-90°	611.5	4.4
90°-100°	402.9	2.9
100°-110°	361.3	2.6
110°-120°	299.0	2.2
120°-130°	231.2	1.7
130°-140°	163.6	1.2
140°-150°	98.7	0.7
150°-160°	47.4	0.3
160°-170°	15.5	0.1
170°-180°	1.9	0.0
0°-30°	3021.6	21.8
0°-40°	4969.8	35.8
0°-60°	8962.9	64.6
0°-90°	12263.5	88.3
90°-120°	1063.2	7.7
90°-150°	1556.7	11.2
90°-180°	1622.0	11.7
0°-180°	13885.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3857	3857	3857	3857	3857	
5°	3866	3859	3826	3857	3847	367
15°	3704	3716	3714	3764	3764	1044
25°	3381	3429	3469	3545	3548	1559
35°	2939	3017	3120	3220	3248	1839
45°	2416	2542	2696	2818	2851	1862
55°	1838	2002	2195	2333	2380	1645
65°	1244	1422	1643	1805	1855	1233
75°	647	835	1080	1251	1320	686
85°	143	354	599	766	832	164
90°	2	200	423	582	640	9
95°	2	190	411	564	618	2
105°	2	164	385	530	578	3
115°	5	143	326	471	523	4
125°	5	121	278	402	452	4
135°	5	95	233	330	371	4
145°	5	69	162	250	281	3
155°	7	48	100	159	186	3
165°	7	31	55	74	95	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°	3856.7	3856.7	3856.7	3856.7	3856.7
2.5°	3882.9	3871.0	3830.6	3856.7	3844.8
5°	3866.2	3859.1	3825.8	3856.7	3847.2
7.5°	3840.1	3837.7	3811.5	3847.2	3837.7
10°	3804.4	3809.2	3787.8	3825.8	3818.7
12.5°	3759.2	3766.4	3756.9	3799.7	3794.9
15°	3704.5	3716.4	3714.1	3764.0	3764.0
17.5°	3638.0	3654.6	3664.1	3721.2	3721.2
20°	3559.5	3585.7	3604.7	3666.5	3676.0
22.5°	3481.0	3511.9	3540.5	3604.7	3618.9
25°	3381.2	3428.7	3469.1	3545.2	3547.6
27.5°	3283.7	3336.0	3390.7	3464.4	3471.5
30°	3176.7	3243.3	3309.8	3381.2	3402.6
32.5°	3062.5	3136.3	3210.0	3305.1	3333.6
35°	2938.9	3017.4	3119.6	3219.5	3248.0
37.5°	2815.3	2903.2	3022.1	3124.4	3150.5
40°	2689.2	2786.7	2919.9	3024.5	3055.4
42.5°	2549.0	2667.8	2810.5	2922.3	2957.9
45°	2415.8	2541.8	2696.4	2817.6	2850.9
47.5°	2275.5	2408.7	2575.1	2703.5	2741.5
50°	2125.7	2277.9	2456.2	2584.6	2620.3
52.5°	1985.4	2140.0	2327.8	2461.0	2510.9
55°	1838.0	2002.1	2194.7	2332.6	2380.1
57.5°	1700.1	1857.0	2063.9	2201.8	2261.2
60°	1543.2	1716.7	1923.6	2073.4	2121.0
62.5°	1395.7	1571.7	1785.7	1940.2	1994.9
65°	1243.6	1421.9	1643.0	1804.7	1854.6
67.5°	1100.9	1276.9	1502.7	1662.0	1726.2
70°	944.0	1129.4	1360.1	1524.1	1578.8
72.5°	789.4	982.0	1217.4	1393.4	1455.2
75°	646.7	834.6	1079.5	1250.7	1319.7
77.5°	508.8	699.1	946.3	1122.3	1181.7
80°	370.9	570.7	822.7	996.3	1053.3
82.5°	244.9	454.2	703.8	877.4	939.2
85°	142.7	354.3	599.2	765.6	832.2
87.5°	61.8	268.7	501.7	665.8	720.5
90°	2.4	199.7	423.2	582.5	639.6
92.5°	2.4	195.0	413.7	570.7	625.3
95°	2.4	190.2	411.4	563.5	618.2
97.5°	2.4	187.8	406.6	558.8	611.1
100°	2.4	180.7	399.5	549.3	601.6
102.5°	2.4	171.2	392.3	539.8	589.7
105°	2.4	164.1	385.2	530.2	577.8
107.5°	2.4	156.9	373.3	518.4	565.9
110°	2.4	149.8	354.3	506.5	554.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	147.4	340.0	489.8	539.8
115°	4.8	142.7	325.8	470.8	523.1
117.5°	4.8	140.3	313.9	451.8	506.5
120°	4.8	133.2	302.0	435.1	487.4
122.5°	4.8	126.0	290.1	418.5	470.8
125°	4.8	121.3	278.2	401.8	451.8
127.5°	4.8	114.1	268.7	385.2	430.4
130°	4.8	109.4	256.8	366.2	411.4
132.5°	4.8	102.2	244.9	347.2	390.0
135°	4.8	95.1	233.0	330.5	370.9
137.5°	4.8	85.6	218.8	311.5	349.5
140°	4.8	78.5	199.7	292.5	328.1
142.5°	4.8	73.7	180.7	271.1	304.4
145°	4.8	69.0	161.7	249.7	280.6
147.5°	4.8	64.2	145.0	228.3	256.8
150°	4.8	57.1	128.4	209.2	233.0
152.5°	7.1	52.3	114.1	185.5	209.2
155°	7.1	47.6	99.9	159.3	185.5
157.5°	7.1	42.8	85.6	133.2	161.7
160°	7.1	38.0	73.7	109.4	137.9
162.5°	7.1	35.7	64.2	90.4	116.5
165°	7.1	30.9	54.7	73.7	95.1
167.5°	7.1	23.8	45.2	57.1	78.5
170°	7.1	19.0	35.7	40.4	59.4
172.5°	7.1	14.3	26.2	28.5	30.9
175°	7.1	11.9	16.6	16.6	9.5
177.5°	7.1	9.5	9.5	9.5	4.8
180°	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)