

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: P567474

Luminaire Tested: **8SNX-162HL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567474
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-162HL-SLW-UNV-L830-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

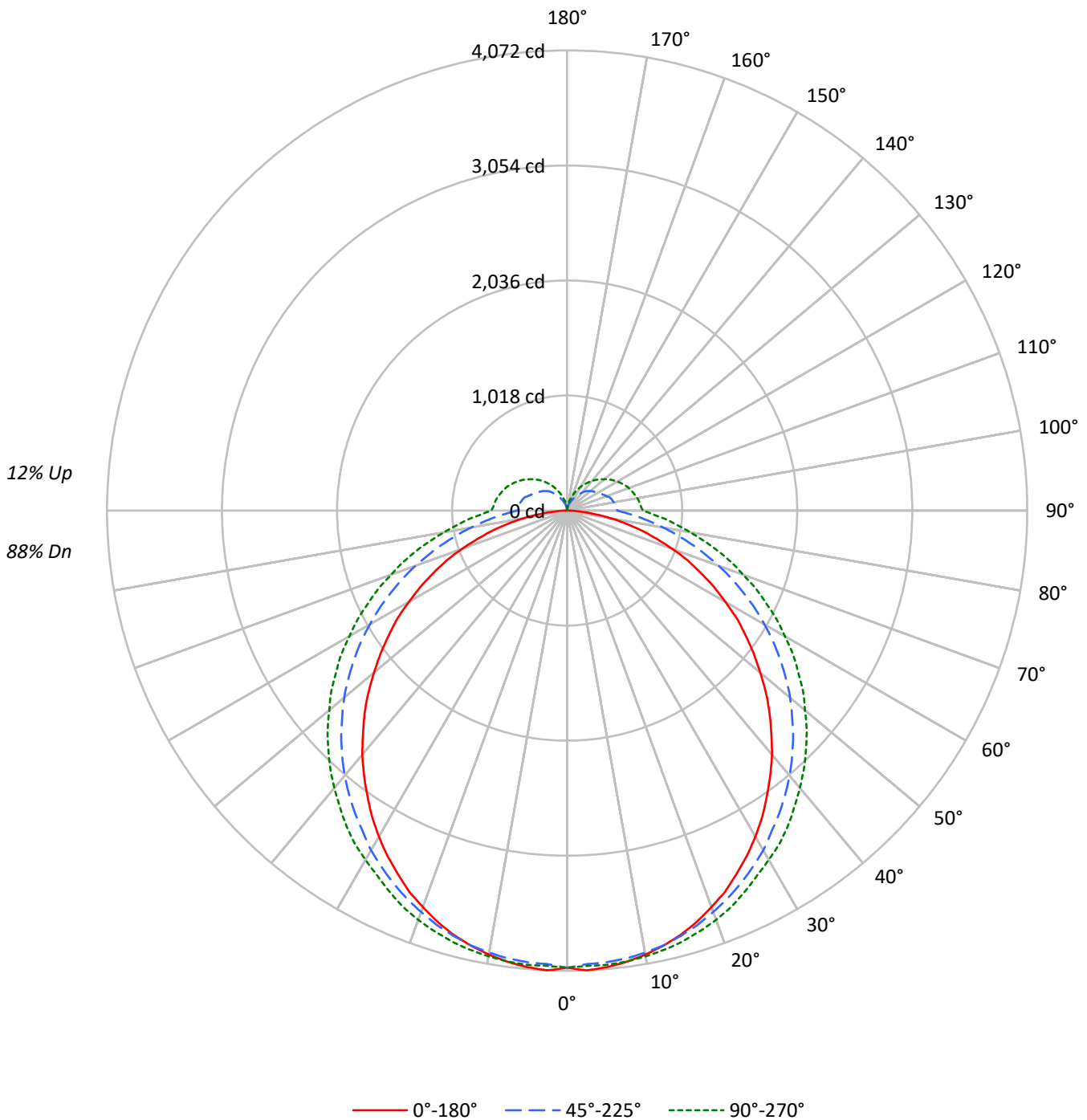
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14562.0 lumens
Efficiency: N/A
Efficacy: 132.1 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): 110.2
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	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°	21769	21769	21769
5°	21886	21227	21183
10°	21765	20820	20676
15°	21588	20381	20198
20°	21300	19898	19700
25°	20956	19414	19132
30°	20581	18927	18610
35°	20104	18380	18159
40°	19644	17881	17608
45°	19086	17328	17085
50°	18438	16739	16486
55°	17823	16048	15889
60°	17113	15300	15202
65°	16247	14444	14469
70°	15147	13480	13626
75°	13579	12367	12853
80°	11386	11269	11877
85°	8259	10301	11241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.0	2.6
10°-20°	1104.6	7.6
20°-30°	1680.4	11.5
30°-40°	2043.1	14.0
40°-50°	2161.6	14.8
50°-60°	2026.2	13.9
60°-70°	1666.9	11.4
70°-80°	1153.4	7.9
80°-90°	641.3	4.4
90°-100°	422.5	2.9
100°-110°	378.9	2.6
110°-120°	313.6	2.2
120°-130°	242.4	1.7
130°-140°	171.6	1.2
140°-150°	103.5	0.7
150°-160°	49.7	0.3
160°-170°	16.3	0.1
170°-180°	2.0	0.0
0°-30°	3168.9	21.8
0°-40°	5212.1	35.8
0°-60°	9399.9	64.6
0°-90°	12861.5	88.3
90°-120°	1115.0	7.7
90°-150°	1632.6	11.2
90°-180°	1701.0	11.7
0°-180°	14562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4045	4045	4045	4045	4045	
5°	4055	4047	4012	4045	4035	385
15°	3885	3898	3895	3948	3948	1095
25°	3546	3596	3638	3718	3721	1635
35°	3082	3164	3272	3376	3406	1929
45°	2534	2666	2828	2955	2990	1953
55°	1928	2100	2302	2446	2496	1726
65°	1304	1491	1723	1893	1945	1293
75°	678	875	1132	1312	1384	720
85°	150	372	628	803	873	172
90°	2	210	444	611	671	10
95°	2	200	431	591	648	2
105°	2	172	404	556	606	3
115°	5	150	342	494	549	4
125°	5	127	292	421	474	4
135°	5	100	244	347	389	4
145°	5	72	170	262	294	3
155°	8	50	105	167	194	3
165°	8	32	57	77	100	2
175°	8	12	18	18	10	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4044.8	4044.8	4044.8	4044.8	4044.8
2.5°	4072.2	4059.7	4017.3	4044.8	4032.3
5°	4054.7	4047.3	4012.3	4044.8	4034.8
7.5°	4027.3	4024.8	3997.4	4034.8	4024.8
10°	3989.9	3994.9	3972.4	4012.3	4004.9
12.5°	3942.5	3950.0	3940.0	3984.9	3979.9
15°	3885.2	3897.6	3895.1	3947.5	3947.5
17.5°	3815.3	3832.8	3842.8	3902.6	3902.6
20°	3733.0	3760.5	3780.4	3845.3	3855.2
22.5°	3650.8	3683.2	3713.1	3780.4	3795.4
25°	3546.0	3595.9	3638.3	3718.1	3720.6
27.5°	3443.8	3498.6	3556.0	3633.3	3640.8
30°	3331.6	3401.4	3471.2	3546.0	3568.5
32.5°	3211.9	3289.2	3366.5	3466.2	3496.1
35°	3082.2	3164.5	3271.7	3376.5	3406.4
37.5°	2952.5	3044.8	3169.5	3276.7	3304.1
40°	2820.4	2922.6	3062.2	3172.0	3204.4
42.5°	2673.2	2797.9	2947.5	3064.7	3102.1
45°	2533.6	2665.8	2827.8	2955.0	2989.9
47.5°	2386.5	2526.1	2700.7	2835.3	2875.2
50°	2229.4	2389.0	2576.0	2710.6	2748.0
52.5°	2082.2	2244.3	2441.3	2581.0	2633.3
55°	1927.6	2099.7	2301.7	2446.3	2496.2
57.5°	1783.0	1947.6	2164.5	2309.2	2371.5
60°	1618.4	1800.4	2017.4	2174.5	2224.4
62.5°	1463.8	1648.3	1872.8	2034.8	2092.2
65°	1304.2	1491.2	1723.1	1892.7	1945.1
67.5°	1154.6	1339.1	1576.0	1743.1	1810.4
70°	990.0	1184.5	1426.4	1598.5	1655.8
72.5°	827.9	1029.9	1276.8	1461.3	1526.1
75°	678.3	875.3	1132.1	1311.7	1384.0
77.5°	533.6	733.1	992.5	1177.0	1239.4
80°	389.0	598.5	862.8	1044.9	1104.7
82.5°	256.8	476.3	738.1	920.2	985.0
85°	149.6	371.6	628.4	803.0	872.8
87.5°	64.8	281.8	526.2	698.2	755.6
90°	2.5	209.5	443.9	611.0	670.8
92.5°	2.5	204.5	433.9	598.5	655.8
95°	2.5	199.5	431.4	591.0	648.4
97.5°	2.5	197.0	426.4	586.0	640.9
100°	2.5	189.5	418.9	576.0	630.9
102.5°	2.5	179.5	411.5	566.1	618.4
105°	2.5	172.1	404.0	556.1	606.0
107.5°	2.5	164.6	391.5	543.6	593.5
110°	2.5	157.1	371.6	531.2	581.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	154.6	356.6	513.7	566.1
115°	5.0	149.6	341.6	493.8	548.6
117.5°	5.0	147.1	329.2	473.8	531.2
120°	5.0	139.6	316.7	456.3	511.2
122.5°	5.0	132.2	304.2	438.9	493.8
125°	5.0	127.2	291.8	421.4	473.8
127.5°	5.0	119.7	281.8	404.0	451.4
130°	5.0	114.7	269.3	384.0	431.4
132.5°	5.0	107.2	256.8	364.1	409.0
135°	5.0	99.7	244.4	346.6	389.0
137.5°	5.0	89.8	229.4	326.7	366.6
140°	5.0	82.3	209.5	306.7	344.1
142.5°	5.0	77.3	189.5	284.3	319.2
145°	5.0	72.3	169.6	261.8	294.3
147.5°	5.0	67.3	152.1	239.4	269.3
150°	5.0	59.8	134.7	219.4	244.4
152.5°	7.5	54.9	119.7	194.5	219.4
155°	7.5	49.9	104.7	167.1	194.5
157.5°	7.5	44.9	89.8	139.6	169.6
160°	7.5	39.9	77.3	114.7	144.6
162.5°	7.5	37.4	67.3	94.8	122.2
165°	7.5	32.4	57.4	77.3	99.7
167.5°	7.5	24.9	47.4	59.8	82.3
170°	7.5	19.9	37.4	42.4	62.3
172.5°	7.5	15.0	27.4	29.9	32.4
175°	7.5	12.5	17.5	17.5	10.0
177.5°	7.5	10.0	10.0	10.0	5.0
180°	5.0	5.0	5.0	5.0	5.0

(END OF REPORT)