

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: P567479

Luminaire Tested: **8SNX-162HL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567479
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-L935-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

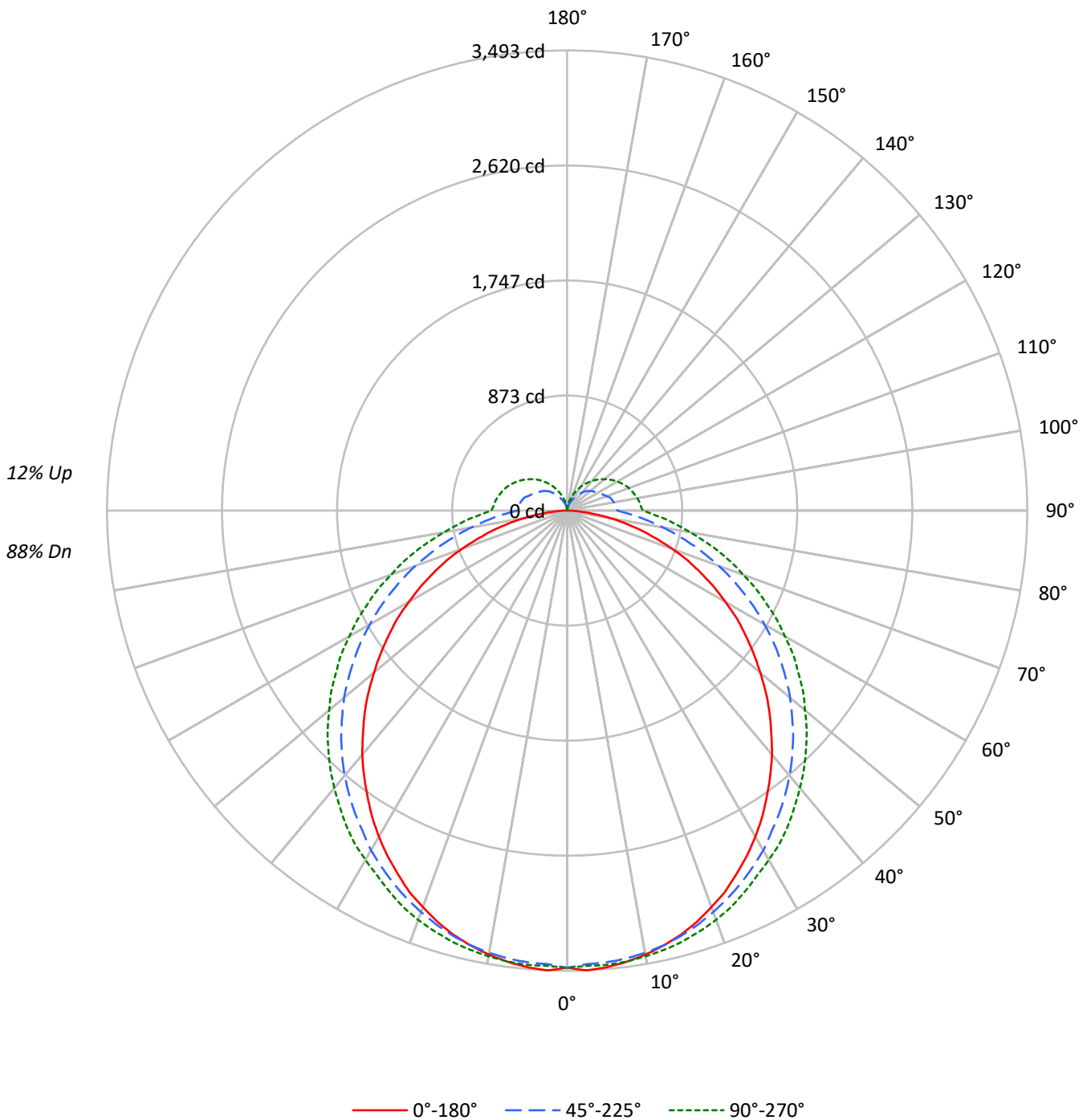
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12492.0 lumens
Efficiency: N/A
Efficacy: 113.4 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 (A_{in}): 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°	18674	18674	18674
5°	18775	18210	18171
10°	18671	17861	17737
15°	18519	17484	17327
20°	18272	17070	16899
25°	17977	16654	16412
30°	17655	16236	15964
35°	17247	15767	15578
40°	16851	15340	15105
45°	16372	14865	14656
50°	15817	14359	14142
55°	15289	13767	13630
60°	14680	13125	13041
65°	13938	12391	12412
70°	12994	11563	11689
75°	11649	10610	11027
80°	9768	9668	10189
85°	7088	8837	9642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.4	2.6
10°-20°	947.6	7.6
20°-30°	1441.5	11.5
30°-40°	1752.7	14.0
40°-50°	1854.3	14.8
50°-60°	1738.2	13.9
60°-70°	1429.9	11.4
70°-80°	989.4	7.9
80°-90°	550.2	4.4
90°-100°	362.4	2.9
100°-110°	325.0	2.6
110°-120°	269.0	2.2
120°-130°	208.0	1.7
130°-140°	147.2	1.2
140°-150°	88.8	0.7
150°-160°	42.7	0.3
160°-170°	14.0	0.1
170°-180°	1.7	0.0
0°-30°	2718.5	21.8
0°-40°	4471.2	35.8
0°-60°	8063.7	64.6
0°-90°	11033.2	88.3
90°-120°	956.5	7.7
90°-150°	1400.5	11.2
90°-180°	1459.0	11.7
0°-180°	12492.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3470	3470	3470	3470	3470	
5°	3478	3472	3442	3470	3461	330
15°	3333	3344	3341	3386	3386	939
25°	3042	3085	3121	3190	3192	1402
35°	2644	2715	2807	2896	2922	1655
45°	2173	2287	2426	2535	2565	1675
55°	1654	1801	1974	2099	2141	1480
65°	1119	1279	1478	1624	1669	1109
75°	582	751	971	1125	1187	617
85°	128	319	539	689	749	148
90°	2	180	381	524	575	8
95°	2	171	370	507	556	2
105°	2	148	347	477	520	2
115°	4	128	293	424	471	3
125°	4	109	250	362	406	4
135°	4	86	210	297	334	3
145°	4	62	146	225	252	3
155°	6	43	90	143	167	3
165°	6	28	49	66	86	2
175°	6	11	15	15	9	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3469.8	3469.8	3469.8	3469.8	3469.8
2.5°	3493.3	3482.6	3446.3	3469.8	3459.1
5°	3478.4	3471.9	3442.0	3469.8	3461.2
7.5°	3454.8	3452.7	3429.1	3461.2	3452.7
10°	3422.7	3427.0	3407.8	3442.0	3435.6
12.5°	3382.1	3388.5	3379.9	3418.5	3414.2
15°	3332.9	3343.6	3341.4	3386.4	3386.4
17.5°	3273.0	3288.0	3296.5	3347.9	3347.9
20°	3202.4	3225.9	3243.0	3298.7	3307.2
22.5°	3131.8	3159.6	3185.3	3243.0	3255.9
25°	3042.0	3084.7	3121.1	3189.6	3191.7
27.5°	2954.2	3001.3	3050.5	3116.8	3123.2
30°	2858.0	2917.9	2977.8	3042.0	3061.2
32.5°	2755.3	2821.6	2887.9	2973.5	2999.2
35°	2644.1	2714.7	2806.6	2896.5	2922.2
37.5°	2532.8	2612.0	2718.9	2810.9	2834.4
40°	2419.4	2507.2	2626.9	2721.1	2748.9
42.5°	2293.2	2400.2	2528.5	2629.1	2661.2
45°	2173.4	2286.8	2425.9	2535.0	2564.9
47.5°	2047.2	2167.0	2316.8	2432.3	2466.5
50°	1912.5	2049.4	2209.8	2325.3	2357.4
52.5°	1786.2	1925.3	2094.3	2214.1	2259.0
55°	1653.6	1801.2	1974.5	2098.6	2141.3
57.5°	1529.5	1670.7	1856.8	1980.9	2034.4
60°	1388.3	1544.5	1730.6	1865.4	1908.2
62.5°	1255.7	1414.0	1606.5	1745.6	1794.8
65°	1118.8	1279.2	1478.2	1623.7	1668.6
67.5°	990.5	1148.8	1352.0	1495.3	1553.1
70°	849.3	1016.1	1223.6	1371.2	1420.4
72.5°	710.2	883.5	1095.3	1253.6	1309.2
75°	581.9	750.9	971.2	1125.2	1187.3
77.5°	457.8	628.9	851.4	1009.7	1063.2
80°	333.7	513.4	740.2	896.3	947.7
82.5°	220.3	408.6	633.2	789.4	845.0
85°	128.4	318.7	539.1	688.8	748.7
87.5°	55.6	241.7	451.4	599.0	648.2
90°	2.1	179.7	380.8	524.1	575.4
92.5°	2.1	175.4	372.2	513.4	562.6
95°	2.1	171.1	370.1	507.0	556.2
97.5°	2.1	169.0	365.8	502.7	549.8
100°	2.1	162.6	359.4	494.2	541.2
102.5°	2.1	154.0	353.0	485.6	530.5
105°	2.1	147.6	346.6	477.0	519.8
107.5°	2.1	141.2	335.9	466.3	509.1
110°	2.1	134.8	318.7	455.7	498.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	132.6	305.9	440.7	485.6
115°	4.3	128.4	293.1	423.6	470.6
117.5°	4.3	126.2	282.4	406.4	455.7
120°	4.3	119.8	271.7	391.5	438.5
122.5°	4.3	113.4	261.0	376.5	423.6
125°	4.3	109.1	250.3	361.5	406.4
127.5°	4.3	102.7	241.7	346.6	387.2
130°	4.3	98.4	231.0	329.4	370.1
132.5°	4.3	92.0	220.3	312.3	350.8
135°	4.3	85.6	209.6	297.3	333.7
137.5°	4.3	77.0	196.8	280.2	314.5
140°	4.3	70.6	179.7	263.1	295.2
142.5°	4.3	66.3	162.6	243.9	273.8
145°	4.3	62.0	145.5	224.6	252.4
147.5°	4.3	57.8	130.5	205.4	231.0
150°	4.3	51.3	115.5	188.3	209.6
152.5°	6.4	47.1	102.7	166.9	188.3
155°	6.4	42.8	89.8	143.3	166.9
157.5°	6.4	38.5	77.0	119.8	145.5
160°	6.4	34.2	66.3	98.4	124.1
162.5°	6.4	32.1	57.8	81.3	104.8
165°	6.4	27.8	49.2	66.3	85.6
167.5°	6.4	21.4	40.6	51.3	70.6
170°	6.4	17.1	32.1	36.4	53.5
172.5°	6.4	12.8	23.5	25.7	27.8
175°	6.4	10.7	15.0	15.0	8.6
177.5°	6.4	8.6	8.6	8.6	4.3
180°	4.3	4.3	4.3	4.3	4.3

(END OF REPORT)