

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: P567703

Luminaire Tested: **8SNX-200HL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-200HL-LN-UNV-L935-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

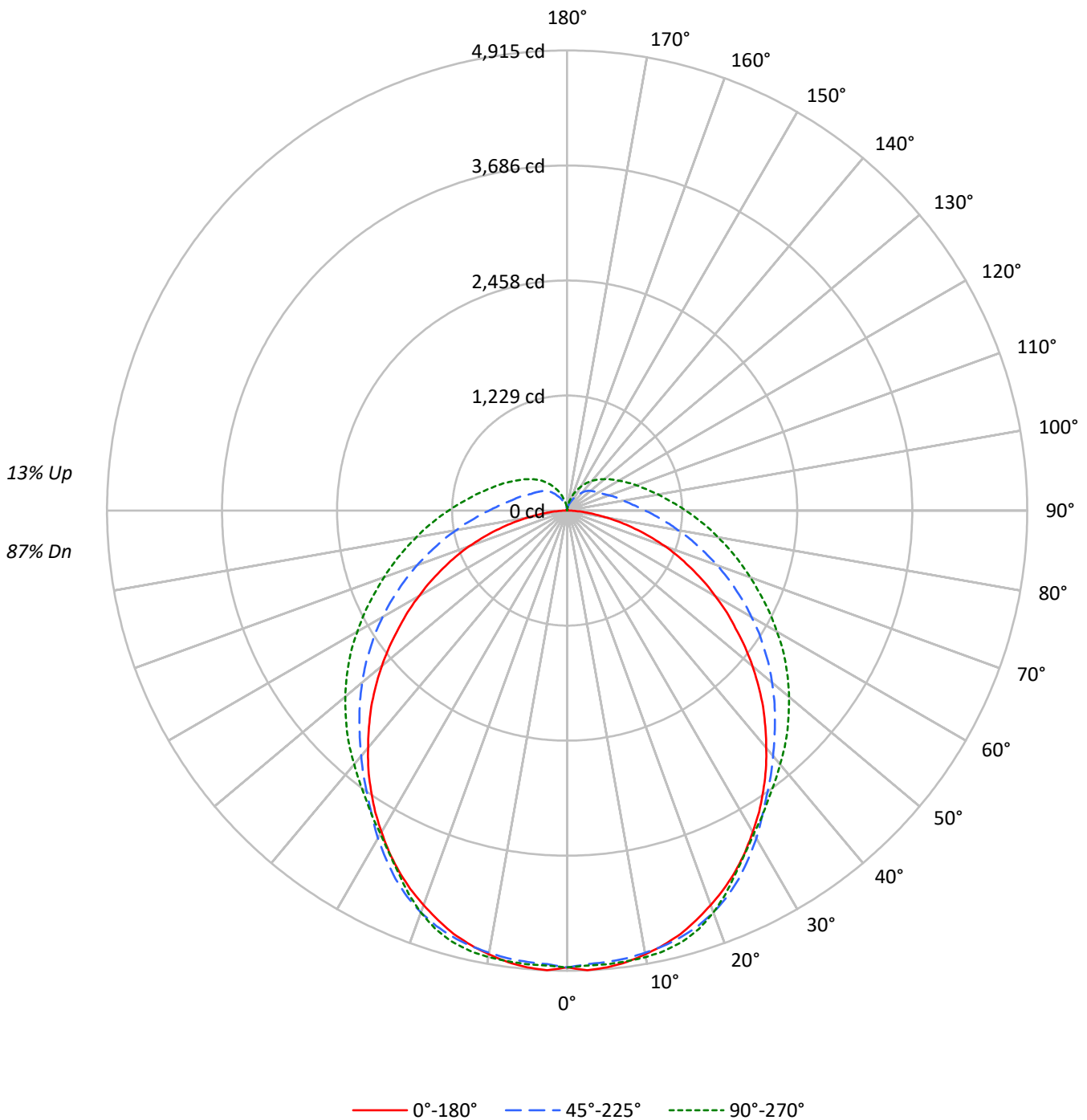
Lumens per Lamp: N/A
Luminaire Lumens: 17612.0 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 145
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	50	30	10	0	
RCR																						
0	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	87				
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68				
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56				
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46				
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39				
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34				
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29				
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26				
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23				
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21				
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26258	26258	26258
5°	26407	25081	24829
10°	26208	24137	23683
15°	25941	23241	22528
20°	25492	22231	21055
25°	25006	21002	19329
30°	24349	19618	17887
35°	23647	18207	16811
40°	22844	17075	15941
45°	22062	16072	15190
50°	21125	15148	14433
55°	20025	14221	13692
60°	18984	13295	12917
65°	17835	12361	12206
70°	16531	11486	11565
75°	14459	10634	11036
80°	11753	9902	10588
85°	8489	9393	10331



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.5	2.6
10°-20°	1332.6	7.6
20°-30°	1984.3	11.3
30°-40°	2341.4	13.3
40°-50°	2441.8	13.9
50°-60°	2294.7	13.0
60°-70°	1937.8	11.0
70°-80°	1464.2	8.3
80°-90°	1009.3	5.7
90°-100°	706.3	4.0
100°-110°	527.1	3.0
110°-120°	397.3	2.3
120°-130°	296.3	1.7
130°-140°	208.0	1.2
140°-150°	125.8	0.7
150°-160°	60.1	0.3
160°-170°	19.3	0.1
170°-180°	2.3	0.0
0°-30°	3780.3	21.5
0°-40°	6121.7	34.8
0°-60°	10858.2	61.7
0°-90°	15269.5	86.7
90°-120°	1630.7	9.3
90°-150°	2260.8	12.8
90°-180°	2342.0	13.3
0°-180°	17612.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4879	4879	4879	4879	4879	
5°	4897	4888	4840	4876	4864	465
15°	4682	4703	4715	4774	4765	1318
25°	4252	4338	4338	4300	4267	1956
35°	3652	3786	3714	3744	3753	2284
45°	2959	3105	3138	3266	3326	2279
55°	2198	2386	2568	2774	2848	1972
65°	1463	1696	1983	2242	2329	1453
75°	749	1039	1439	1741	1851	798
85°	170	534	997	1326	1442	191
90°	3	379	833	1152	1266	12
95°	3	296	705	1009	1114	2
105°	6	212	543	788	878	6
115°	6	182	421	627	708	6
125°	9	155	355	514	579	8
135°	9	119	296	418	469	7
145°	12	87	206	320	358	7
155°	12	57	125	203	236	6
165°	15	36	66	90	119	4
175°	15	15	18	18	9	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4878.9	4878.9	4878.9	4878.9	4878.9
2.5°	4914.7	4902.7	4849.0	4878.9	4863.9
5°	4896.8	4887.8	4840.0	4875.9	4863.9
7.5°	4863.9	4860.9	4825.1	4866.9	4855.0
10°	4813.2	4822.1	4795.2	4852.0	4843.0
12.5°	4753.4	4771.4	4762.4	4825.1	4816.1
15°	4681.8	4702.7	4714.6	4774.3	4765.4
17.5°	4586.2	4625.1	4651.9	4699.7	4684.8
20°	4484.7	4538.5	4568.3	4592.2	4568.3
22.5°	4374.2	4445.9	4463.8	4451.9	4428.0
25°	4251.8	4338.4	4338.4	4299.6	4266.8
27.5°	4114.5	4222.0	4192.1	4147.3	4120.4
30°	3965.2	4093.6	4042.8	3992.1	3986.1
32.5°	3815.9	3950.3	3875.6	3863.7	3872.6
35°	3651.7	3786.0	3714.4	3744.2	3753.2
37.5°	3487.5	3621.8	3574.0	3618.8	3645.7
40°	3308.3	3451.6	3421.8	3502.4	3538.2
42.5°	3132.1	3281.4	3278.4	3382.9	3436.7
45°	2959.0	3105.3	3138.1	3266.5	3326.2
47.5°	2770.9	2920.1	3000.8	3150.1	3209.8
50°	2585.7	2747.0	2857.4	3024.6	3093.3
52.5°	2394.6	2564.8	2717.1	2902.2	2973.9
55°	2197.6	2385.7	2567.8	2773.8	2848.5
57.5°	2021.4	2212.5	2427.5	2639.5	2726.1
60°	1827.3	2039.3	2275.2	2499.1	2585.7
62.5°	1651.2	1869.1	2131.9	2367.8	2460.3
65°	1463.1	1696.0	1982.6	2242.4	2328.9
67.5°	1289.9	1528.7	1842.3	2105.0	2200.6
70°	1110.7	1364.5	1704.9	1982.6	2081.1
72.5°	925.6	1194.3	1567.6	1863.2	1964.7
75°	749.4	1039.1	1439.2	1740.7	1851.2
77.5°	585.2	889.8	1322.7	1633.3	1740.7
80°	424.0	755.4	1200.3	1522.8	1633.3
82.5°	280.7	639.0	1101.8	1424.2	1540.7
85°	170.2	534.5	997.3	1325.7	1442.2
87.5°	77.6	447.9	913.7	1239.1	1352.6
90°	3.0	379.2	833.0	1152.5	1266.0
92.5°	3.0	331.4	767.4	1077.9	1188.4
95°	3.0	295.6	704.7	1009.2	1113.7
97.5°	3.0	271.7	656.9	943.5	1045.0
100°	3.0	247.8	609.1	883.8	988.3
102.5°	6.0	226.9	573.3	830.1	928.6
105°	6.0	212.0	543.4	788.3	877.8
107.5°	6.0	203.0	510.6	746.5	830.1
110°	6.0	194.1	474.7	704.7	788.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.0	188.1	447.9	668.8	749.4
115°	6.0	182.1	421.0	627.0	707.6
117.5°	6.0	179.1	406.1	594.2	671.8
120°	9.0	170.2	388.2	564.3	639.0
122.5°	9.0	161.2	370.2	540.4	606.1
125°	9.0	155.3	355.3	513.6	579.3
127.5°	9.0	146.3	340.4	489.7	549.4
130°	9.0	137.3	328.4	465.8	522.5
132.5°	9.0	128.4	313.5	441.9	495.6
135°	9.0	119.4	295.6	418.0	468.8
137.5°	9.0	110.5	277.7	394.1	441.9
140°	9.0	101.5	253.8	370.2	415.0
142.5°	9.0	92.6	229.9	346.4	385.2
145°	11.9	86.6	206.0	319.5	358.3
147.5°	11.9	77.6	182.1	292.6	325.5
150°	11.9	71.7	164.2	265.7	295.6
152.5°	11.9	62.7	146.3	235.9	265.7
155°	11.9	56.7	125.4	203.0	235.9
157.5°	11.9	50.8	107.5	170.2	206.0
160°	11.9	47.8	92.6	140.3	176.2
162.5°	14.9	41.8	77.6	113.5	146.3
165°	14.9	35.8	65.7	89.6	119.4
167.5°	14.9	29.9	53.7	68.7	92.6
170°	14.9	23.9	41.8	47.8	71.7
172.5°	14.9	17.9	29.9	32.8	35.8
175°	14.9	14.9	17.9	17.9	9.0
177.5°	14.9	14.9	11.9	9.0	3.0
180°	9.0	9.0	9.0	9.0	9.0

(END OF REPORT)