

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: P568148

Luminaire Tested: **8SNX-96SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-96SL-SLW-UNV-L840-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

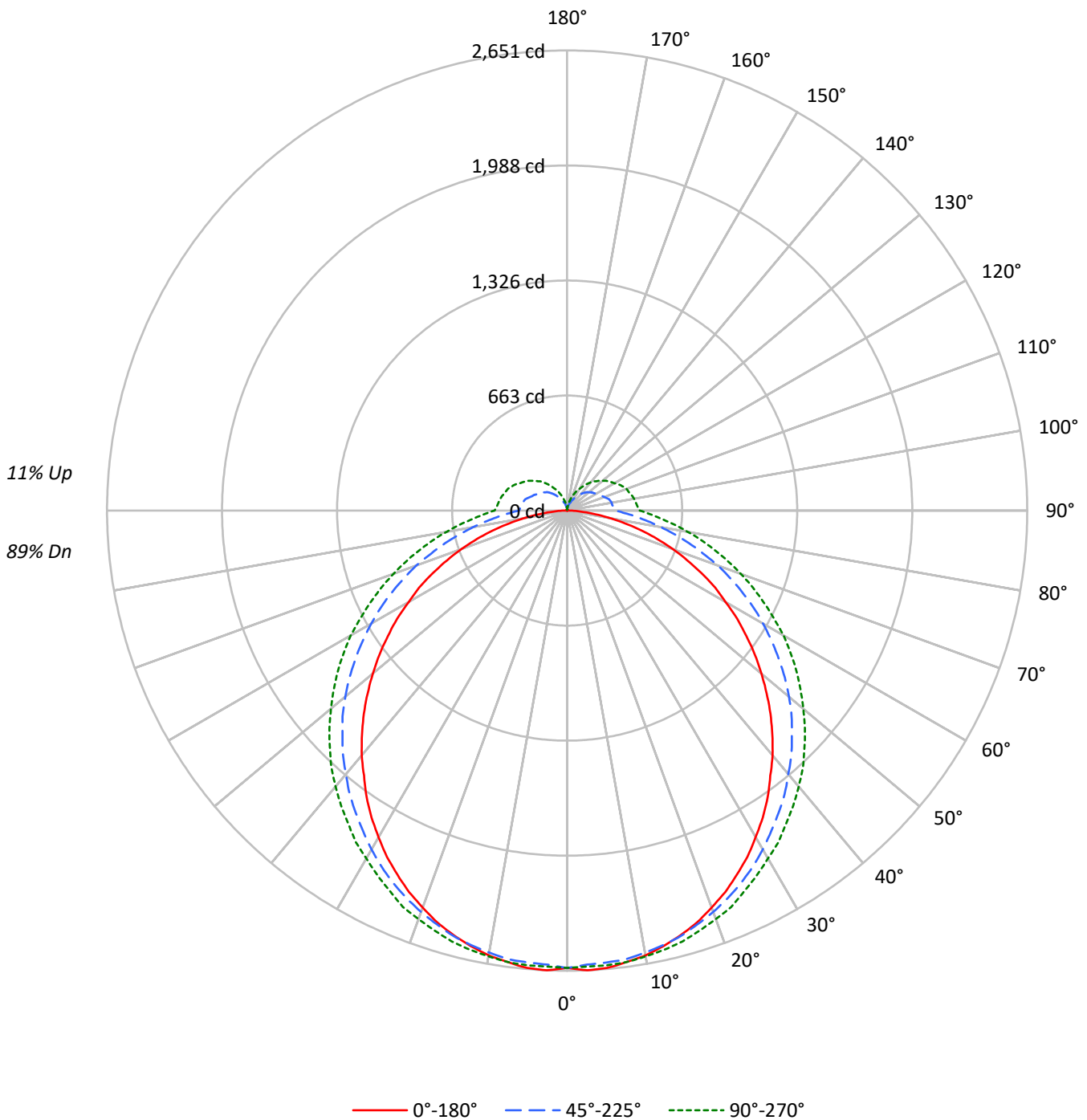
Lumens per Lamp: N/A
Luminaire Lumens: 9379.0 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 64.2
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	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14179	14179	14179
5°	14279	13823	13803
10°	14194	13552	13461
15°	14065	13274	13147
20°	13886	12953	12796
25°	13676	12638	12430
30°	13423	12291	12068
35°	13145	11932	11728
40°	12826	11578	11402
45°	12481	11217	11050
50°	12085	10837	10656
55°	11653	10378	10269
60°	11143	9887	9838
65°	10624	9335	9294
70°	9890	8727	8762
75°	8917	7952	8173
80°	7315	7165	7592
85°	5399	6499	6996



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.2	2.7
10°-20°	719.3	7.7
20°-30°	1093.7	11.7
30°-40°	1327.6	14.2
40°-50°	1402.9	15.0
50°-60°	1312.8	14.0
60°-70°	1077.1	11.5
70°-80°	740.9	7.9
80°-90°	405.7	4.3
90°-100°	261.3	2.8
100°-110°	234.4	2.5
110°-120°	194.0	2.1
120°-130°	149.4	1.6
130°-140°	105.0	1.1
140°-150°	63.3	0.7
150°-160°	30.3	0.3
160°-170°	9.9	0.1
170°-180°	1.2	0.0
0°-30°	2063.2	22.0
0°-40°	3390.8	36.2
0°-60°	6106.4	65.1
0°-90°	8330.1	88.8
90°-120°	689.7	7.4
90°-150°	1007.4	10.7
90°-180°	1049.0	11.2
0°-180°	9379.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2635	2635	2635	2635	2635	
5°	2645	2640	2613	2635	2629	251
15°	2531	2542	2537	2569	2569	714
25°	2314	2341	2368	2417	2417	1066
35°	2015	2064	2124	2184	2200	1259
45°	1657	1733	1831	1912	1934	1277
55°	1260	1364	1488	1581	1613	1128
65°	853	967	1114	1217	1249	845
75°	445	565	728	842	880	469
85°	98	234	396	505	543	113
90°	0	130	277	380	418	7
95°	0	125	266	364	402	0
105°	0	103	250	342	375	4
115°	5	92	212	304	342	5
125°	5	76	179	261	293	5
135°	5	60	147	212	239	4
145°	5	44	103	163	179	3
155°	5	27	65	103	120	2
165°	5	16	33	49	60	2
175°	5	5	11	11	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2634.6	2634.6	2634.6	2634.6	2634.6
2.5°	2650.9	2645.4	2618.3	2640.0	2629.2
5°	2645.4	2640.0	2612.9	2634.6	2629.2
7.5°	2623.7	2623.7	2607.4	2629.2	2623.7
10°	2602.0	2602.0	2585.7	2612.9	2607.4
12.5°	2569.4	2574.8	2564.0	2596.6	2591.1
15°	2531.4	2542.2	2536.8	2569.4	2569.4
17.5°	2487.9	2498.8	2498.8	2536.8	2536.8
20°	2433.6	2449.9	2460.8	2504.2	2504.2
22.5°	2379.3	2401.0	2417.3	2455.3	2471.6
25°	2314.1	2341.2	2368.4	2417.3	2417.3
27.5°	2248.9	2281.5	2314.1	2363.0	2368.4
30°	2172.9	2210.9	2254.3	2303.2	2314.1
32.5°	2096.8	2145.7	2189.1	2248.9	2265.2
35°	2015.3	2064.2	2124.0	2183.7	2200.0
37.5°	1923.0	1982.7	2058.8	2124.0	2140.3
40°	1841.5	1906.7	1982.7	2058.8	2075.1
42.5°	1749.1	1819.8	1912.1	1982.7	2009.9
45°	1656.8	1732.8	1830.6	1912.1	1933.8
47.5°	1559.0	1645.9	1754.6	1830.6	1857.8
50°	1461.2	1553.6	1667.7	1754.6	1776.3
52.5°	1363.5	1461.2	1580.7	1667.7	1694.8
55°	1260.3	1363.5	1488.4	1580.7	1613.3
57.5°	1162.5	1265.7	1396.1	1493.8	1526.4
60°	1053.8	1173.3	1303.7	1401.5	1439.5
62.5°	961.5	1070.1	1211.4	1309.1	1341.7
65°	852.8	966.9	1113.6	1216.8	1249.4
67.5°	749.6	869.1	1015.8	1124.5	1157.0
70°	646.4	765.9	923.5	1026.7	1064.7
72.5°	543.2	668.2	820.3	934.3	972.4
75°	445.4	564.9	727.9	842.0	880.0
77.5°	342.2	472.6	635.6	749.6	793.1
80°	249.9	385.7	548.6	662.7	706.2
82.5°	168.4	304.2	467.2	581.2	624.7
85°	97.8	233.6	396.5	505.2	543.2
87.5°	48.9	179.3	331.4	440.0	478.0
90°	0.0	130.4	277.0	380.2	418.3
92.5°	0.0	124.9	271.6	369.4	407.4
95°	0.0	124.9	266.2	364.0	402.0
97.5°	0.0	119.5	260.7	364.0	396.5
100°	0.0	114.1	260.7	358.5	391.1
102.5°	0.0	108.6	255.3	353.1	385.7
105°	0.0	103.2	249.9	342.2	374.8
107.5°	5.4	103.2	239.0	336.8	369.4
110°	5.4	97.8	228.1	331.4	364.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.4	92.3	217.3	320.5	353.1
115°	5.4	92.3	211.9	304.2	342.2
117.5°	5.4	86.9	201.0	293.3	331.4
120°	5.4	86.9	195.6	282.5	315.1
122.5°	5.4	81.5	184.7	271.6	304.2
125°	5.4	76.0	179.3	260.7	293.3
127.5°	5.4	70.6	173.8	249.9	282.5
130°	5.4	65.2	163.0	239.0	266.2
132.5°	5.4	65.2	157.5	222.7	255.3
135°	5.4	59.8	146.7	211.9	239.0
137.5°	5.4	54.3	135.8	201.0	228.1
140°	5.4	48.9	124.9	190.1	211.9
142.5°	5.4	48.9	114.1	173.8	195.6
145°	5.4	43.5	103.2	163.0	179.3
147.5°	5.4	38.0	92.3	146.7	163.0
150°	5.4	38.0	81.5	130.4	146.7
152.5°	5.4	32.6	70.6	119.5	135.8
155°	5.4	27.2	65.2	103.2	119.5
157.5°	5.4	27.2	54.3	86.9	103.2
160°	5.4	21.7	48.9	70.6	86.9
162.5°	5.4	21.7	43.5	59.8	76.0
165°	5.4	16.3	32.6	48.9	59.8
167.5°	5.4	16.3	27.2	38.0	48.9
170°	5.4	10.9	21.7	27.2	38.0
172.5°	5.4	10.9	16.3	16.3	16.3
175°	5.4	5.4	10.9	10.9	5.4
177.5°	5.4	5.4	5.4	5.4	5.4
180°	5.4	5.4	5.4	5.4	5.4

(END OF REPORT)