

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: P568153

Luminaire Tested: **8SNX-96SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568153
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-L950-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

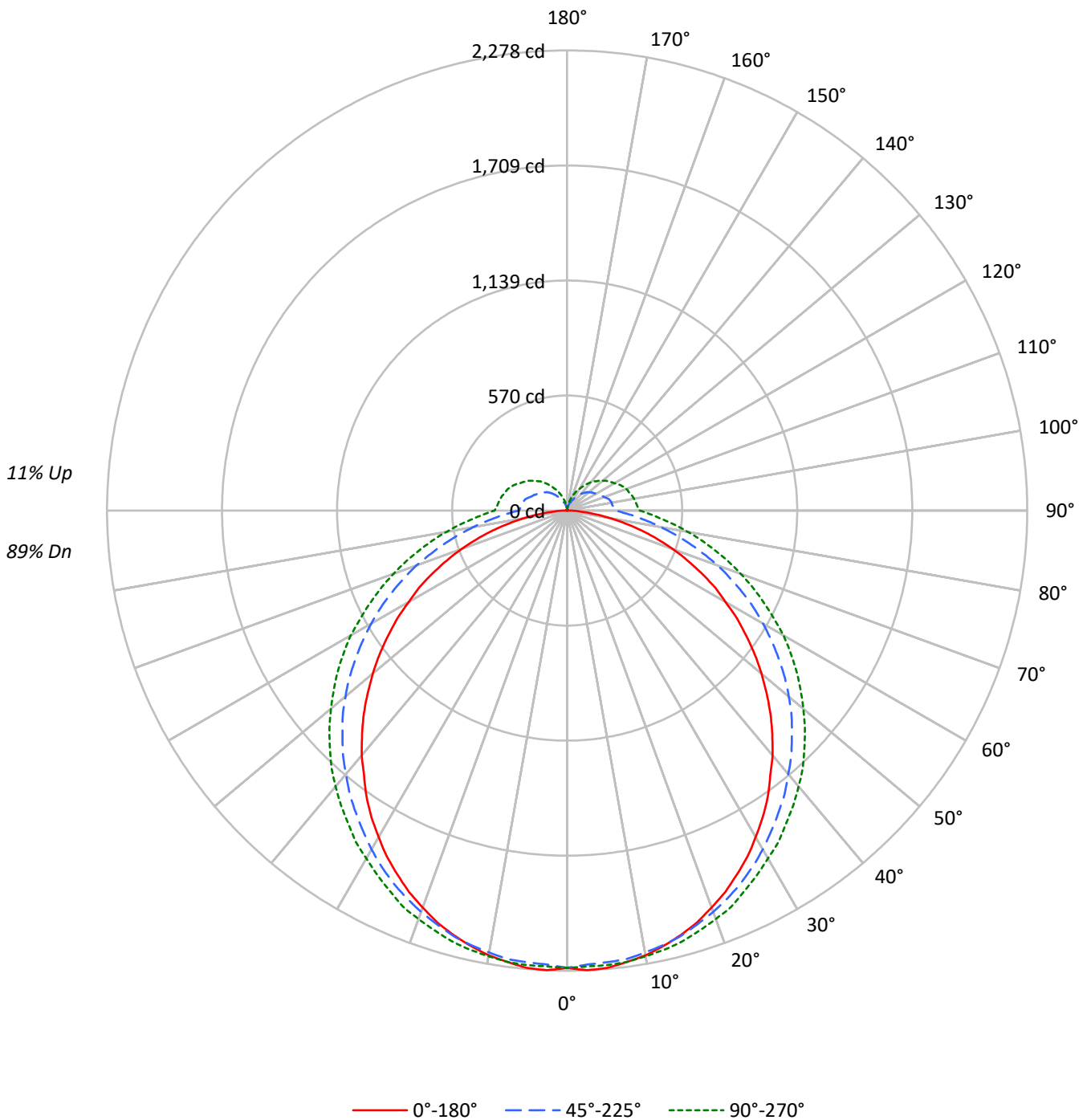
Lumens per Lamp: N/A
Luminaire Lumens: 8058.0 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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°	12182	12182	12182
5°	12268	11876	11859
10°	12195	11643	11566
15°	12084	11404	11295
20°	11930	11128	10994
25°	11750	10858	10679
30°	11532	10560	10368
35°	11294	10251	10076
40°	11019	9947	9796
45°	10723	9638	9494
50°	10383	9310	9155
55°	10012	8916	8823
60°	9574	8495	8452
65°	9128	8020	7985
70°	8497	7498	7527
75°	7661	6832	7022
80°	6285	6157	6523
85°	4637	5585	6011



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.0	2.7
10°-20°	618.0	7.7
20°-30°	939.6	11.7
30°-40°	1140.6	14.2
40°-50°	1205.3	15.0
50°-60°	1127.9	14.0
60°-70°	925.4	11.5
70°-80°	636.5	7.9
80°-90°	348.6	4.3
90°-100°	224.5	2.8
100°-110°	201.4	2.5
110°-120°	166.7	2.1
120°-130°	128.4	1.6
130°-140°	90.2	1.1
140°-150°	54.4	0.7
150°-160°	26.0	0.3
160°-170°	8.5	0.1
170°-180°	1.0	0.0
0°-30°	1772.6	22.0
0°-40°	2913.2	36.2
0°-60°	5246.4	65.1
0°-90°	7156.9	88.8
90°-120°	592.6	7.4
90°-150°	865.6	10.7
90°-180°	901.0	11.2
0°-180°	8058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2264	2264	2264	2264	2264	
5°	2273	2268	2245	2264	2259	216
15°	2175	2184	2180	2208	2208	613
25°	1988	2012	2035	2077	2077	916
35°	1732	1774	1825	1876	1890	1082
45°	1423	1489	1573	1643	1662	1097
55°	1083	1171	1279	1358	1386	969
65°	733	831	957	1045	1073	726
75°	383	485	625	723	756	403
85°	84	201	341	434	467	97
90°	0	112	238	327	359	6
95°	0	107	229	313	345	0
105°	0	89	215	294	322	3
115°	5	79	182	261	294	5
125°	5	65	154	224	252	4
135°	5	51	126	182	205	4
145°	5	37	89	140	154	3
155°	5	23	56	89	103	2
165°	5	14	28	42	51	1
175°	5	5	9	9	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2263.5	2263.5	2263.5	2263.5	2263.5
2.5°	2277.5	2272.8	2249.5	2268.2	2258.8
5°	2272.8	2268.2	2244.8	2263.5	2258.8
7.5°	2254.2	2254.2	2240.2	2258.8	2254.2
10°	2235.5	2235.5	2221.5	2244.8	2240.2
12.5°	2207.5	2212.2	2202.8	2230.8	2226.2
15°	2174.8	2184.2	2179.5	2207.5	2207.5
17.5°	2137.5	2146.8	2146.8	2179.5	2179.5
20°	2090.8	2104.8	2114.2	2151.5	2151.5
22.5°	2044.2	2062.8	2076.8	2109.5	2123.5
25°	1988.2	2011.5	2034.8	2076.8	2076.8
27.5°	1932.2	1960.2	1988.2	2030.2	2034.8
30°	1866.8	1899.5	1936.8	1978.8	1988.2
32.5°	1801.5	1843.5	1880.8	1932.2	1946.2
35°	1731.5	1773.5	1824.8	1876.1	1890.1
37.5°	1652.1	1703.5	1768.8	1824.8	1838.8
40°	1582.1	1638.1	1703.5	1768.8	1782.8
42.5°	1502.8	1563.5	1642.8	1703.5	1726.8
45°	1423.4	1488.8	1572.8	1642.8	1661.5
47.5°	1339.4	1414.1	1507.5	1572.8	1596.1
50°	1255.4	1334.8	1432.8	1507.5	1526.1
52.5°	1171.4	1255.4	1358.1	1432.8	1456.1
55°	1082.8	1171.4	1278.8	1358.1	1386.1
57.5°	998.7	1087.4	1199.4	1283.4	1311.4
60°	905.4	1008.1	1120.1	1204.1	1236.8
62.5°	826.1	919.4	1040.7	1124.8	1152.8
65°	732.7	830.7	956.7	1045.4	1073.4
67.5°	644.1	746.7	872.7	966.1	994.1
70°	555.4	658.1	793.4	882.1	914.7
72.5°	466.7	574.0	704.7	802.7	835.4
75°	382.7	485.4	625.4	723.4	756.1
77.5°	294.0	406.0	546.0	644.1	681.4
80°	214.7	331.4	471.4	569.4	606.7
82.5°	144.7	261.4	401.4	499.4	536.7
85°	84.0	200.7	340.7	434.0	466.7
87.5°	42.0	154.0	284.7	378.0	410.7
90°	0.0	112.0	238.0	326.7	359.4
92.5°	0.0	107.3	233.4	317.4	350.0
95°	0.0	107.3	228.7	312.7	345.4
97.5°	0.0	102.7	224.0	312.7	340.7
100°	0.0	98.0	224.0	308.0	336.0
102.5°	0.0	93.3	219.4	303.4	331.4
105°	0.0	88.7	214.7	294.0	322.0
107.5°	4.7	88.7	205.3	289.4	317.4
110°	4.7	84.0	196.0	284.7	312.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.7	79.3	186.7	275.4	303.4
115°	4.7	79.3	182.0	261.4	294.0
117.5°	4.7	74.7	172.7	252.0	284.7
120°	4.7	74.7	168.0	242.7	270.7
122.5°	4.7	70.0	158.7	233.4	261.4
125°	4.7	65.3	154.0	224.0	252.0
127.5°	4.7	60.7	149.3	214.7	242.7
130°	4.7	56.0	140.0	205.3	228.7
132.5°	4.7	56.0	135.3	191.3	219.4
135°	4.7	51.3	126.0	182.0	205.3
137.5°	4.7	46.7	116.7	172.7	196.0
140°	4.7	42.0	107.3	163.3	182.0
142.5°	4.7	42.0	98.0	149.3	168.0
145°	4.7	37.3	88.7	140.0	154.0
147.5°	4.7	32.7	79.3	126.0	140.0
150°	4.7	32.7	70.0	112.0	126.0
152.5°	4.7	28.0	60.7	102.7	116.7
155°	4.7	23.3	56.0	88.7	102.7
157.5°	4.7	23.3	46.7	74.7	88.7
160°	4.7	18.7	42.0	60.7	74.7
162.5°	4.7	18.7	37.3	51.3	65.3
165°	4.7	14.0	28.0	42.0	51.3
167.5°	4.7	14.0	23.3	32.7	42.0
170°	4.7	9.3	18.7	23.3	32.7
172.5°	4.7	9.3	14.0	14.0	14.0
175°	4.7	4.7	9.3	9.3	4.7
177.5°	4.7	4.7	4.7	4.7	4.7
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)