

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: P568142

Luminaire Tested: **8SNX-96SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568142
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-LW-UNV-L930-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

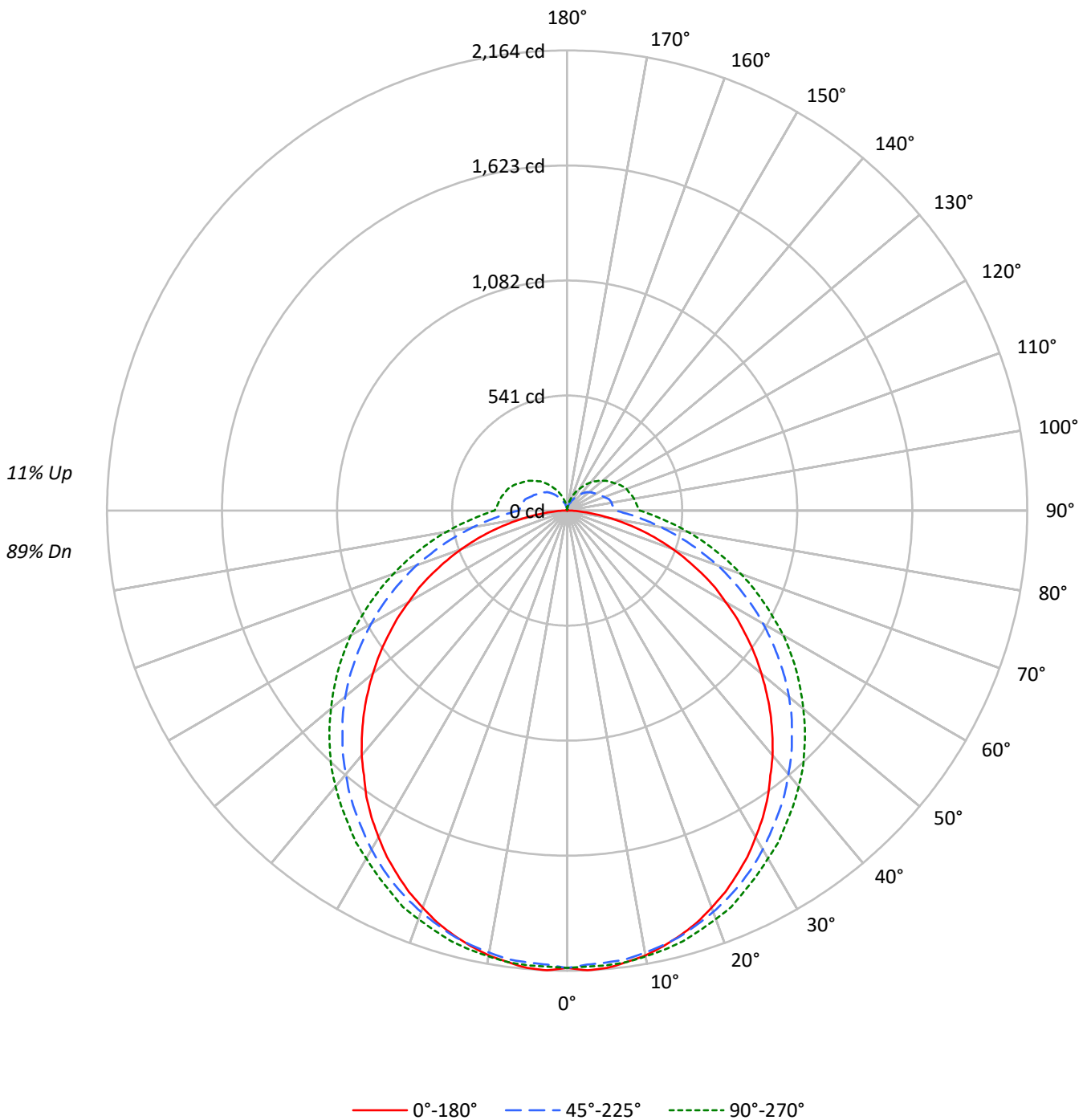
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7656.0 lumens
Efficiency: N/A
Efficacy: 119.3 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: 0.17')
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	77	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°	11574	11574	11574
5°	11646	11053	10956
10°	11565	10624	10408
15°	11449	10208	9915
20°	11292	9775	9422
25°	11110	9359	8939
30°	10892	8930	8477
35°	10653	8498	8044
40°	10380	8076	7632
45°	10083	7653	7209
50°	9745	7217	6765
55°	9374	6729	6330
60°	8937	6219	5870
65°	8487	5667	5346
70°	7854	5078	4830
75°	7015	4390	4282
80°	5655	3695	3737
85°	3980	3049	3176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.3	2.7
10°-20°	587.1	7.7
20°-30°	892.8	11.7
30°-40°	1083.7	14.2
40°-50°	1145.2	15.0
50°-60°	1071.6	14.0
60°-70°	879.3	11.5
70°-80°	604.8	7.9
80°-90°	331.2	4.3
90°-100°	213.3	2.8
100°-110°	191.4	2.5
110°-120°	158.4	2.1
120°-130°	122.0	1.6
130°-140°	85.7	1.1
140°-150°	51.6	0.7
150°-160°	24.7	0.3
160°-170°	8.1	0.1
170°-180°	1.0	0.0
0°-30°	1684.2	22.0
0°-40°	2767.9	36.2
0°-60°	4984.6	65.1
0°-90°	6799.8	88.8
90°-120°	563.0	7.4
90°-150°	822.3	10.7
90°-180°	856.0	11.2
0°-180°	7656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2151	2151	2151	2151	2151	
5°	2160	2155	2133	2151	2146	205
15°	2066	2075	2071	2097	2097	583
25°	1889	1911	1933	1973	1973	870
35°	1645	1685	1734	1782	1796	1028
45°	1352	1414	1494	1561	1579	1042
55°	1029	1113	1215	1290	1317	921
65°	696	789	909	993	1020	689
75°	364	461	594	687	718	383
85°	80	191	324	412	443	92
90°	0	106	226	310	341	5
95°	0	102	217	297	328	0
105°	0	84	204	279	306	3
115°	4	75	173	248	279	4
125°	4	62	146	213	239	4
135°	4	49	120	173	195	3
145°	4	36	84	133	146	3
155°	4	22	53	84	98	2
165°	4	13	27	40	49	1
175°	4	4	9	9	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2150.6	2150.6	2150.6	2150.6	2150.6
2.5°	2163.9	2159.5	2137.3	2155.0	2146.2
5°	2159.5	2155.0	2132.9	2150.6	2146.2
7.5°	2141.7	2141.7	2128.4	2146.2	2141.7
10°	2124.0	2124.0	2110.7	2132.9	2128.4
12.5°	2097.4	2101.8	2092.9	2119.5	2115.1
15°	2066.3	2075.2	2070.8	2097.4	2097.4
17.5°	2030.9	2039.7	2039.7	2070.8	2070.8
20°	1986.5	1999.8	2008.7	2044.2	2044.2
22.5°	1942.2	1959.9	1973.2	2004.3	2017.6
25°	1889.0	1911.1	1933.3	1973.2	1973.2
27.5°	1835.8	1862.4	1889.0	1928.9	1933.3
30°	1773.7	1804.7	1840.2	1880.1	1889.0
32.5°	1711.6	1751.5	1787.0	1835.8	1849.1
35°	1645.1	1685.0	1733.8	1782.5	1795.9
37.5°	1569.7	1618.5	1680.6	1733.8	1747.1
40°	1503.2	1556.4	1618.5	1680.6	1693.9
42.5°	1427.8	1485.5	1560.8	1618.5	1640.7
45°	1352.4	1414.5	1494.3	1560.8	1578.6
47.5°	1272.6	1343.6	1432.2	1494.3	1516.5
50°	1192.8	1268.2	1361.3	1432.2	1450.0
52.5°	1113.0	1192.8	1290.4	1361.3	1383.5
55°	1028.7	1113.0	1215.0	1290.4	1317.0
57.5°	948.9	1033.2	1139.6	1219.4	1246.0
60°	860.2	957.8	1064.2	1144.0	1175.1
62.5°	784.9	873.5	988.8	1068.6	1095.2
65°	696.2	789.3	909.0	993.3	1019.9
67.5°	611.9	709.5	829.2	917.9	944.5
70°	527.7	625.2	753.8	838.1	869.1
72.5°	443.4	545.4	669.6	762.7	793.7
75°	363.6	461.2	594.2	687.3	718.3
77.5°	279.4	385.8	518.8	611.9	647.4
80°	204.0	314.8	447.9	541.0	576.4
82.5°	137.5	248.3	381.3	474.5	509.9
85°	79.8	190.7	323.7	412.4	443.4
87.5°	39.9	146.3	270.5	359.2	390.2
90°	0.0	106.4	226.1	310.4	341.4
92.5°	0.0	102.0	221.7	301.5	332.6
95°	0.0	102.0	217.3	297.1	328.1
97.5°	0.0	97.6	212.8	297.1	323.7
100°	0.0	93.1	212.8	292.7	319.3
102.5°	0.0	88.7	208.4	288.2	314.8
105°	0.0	84.2	204.0	279.4	306.0
107.5°	4.4	84.2	195.1	274.9	301.5
110°	4.4	79.8	186.2	270.5	297.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.4	75.4	177.4	261.6	288.2
115°	4.4	75.4	172.9	248.3	279.4
117.5°	4.4	70.9	164.1	239.4	270.5
120°	4.4	70.9	159.6	230.6	257.2
122.5°	4.4	66.5	150.8	221.7	248.3
125°	4.4	62.1	146.3	212.8	239.4
127.5°	4.4	57.6	141.9	204.0	230.6
130°	4.4	53.2	133.0	195.1	217.3
132.5°	4.4	53.2	128.6	181.8	208.4
135°	4.4	48.8	119.7	172.9	195.1
137.5°	4.4	44.3	110.9	164.1	186.2
140°	4.4	39.9	102.0	155.2	172.9
142.5°	4.4	39.9	93.1	141.9	159.6
145°	4.4	35.5	84.2	133.0	146.3
147.5°	4.4	31.0	75.4	119.7	133.0
150°	4.4	31.0	66.5	106.4	119.7
152.5°	4.4	26.6	57.6	97.6	110.9
155°	4.4	22.2	53.2	84.2	97.6
157.5°	4.4	22.2	44.3	70.9	84.2
160°	4.4	17.7	39.9	57.6	70.9
162.5°	4.4	17.7	35.5	48.8	62.1
165°	4.4	13.3	26.6	39.9	48.8
167.5°	4.4	13.3	22.2	31.0	39.9
170°	4.4	8.9	17.7	22.2	31.0
172.5°	4.4	8.9	13.3	13.3	13.3
175°	4.4	4.4	8.9	8.9	4.4
177.5°	4.4	4.4	4.4	4.4	4.4
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)