

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: P568099

Luminaire Tested: **8SNX-90SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568099
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-90SL-SLW-UNV-L835-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

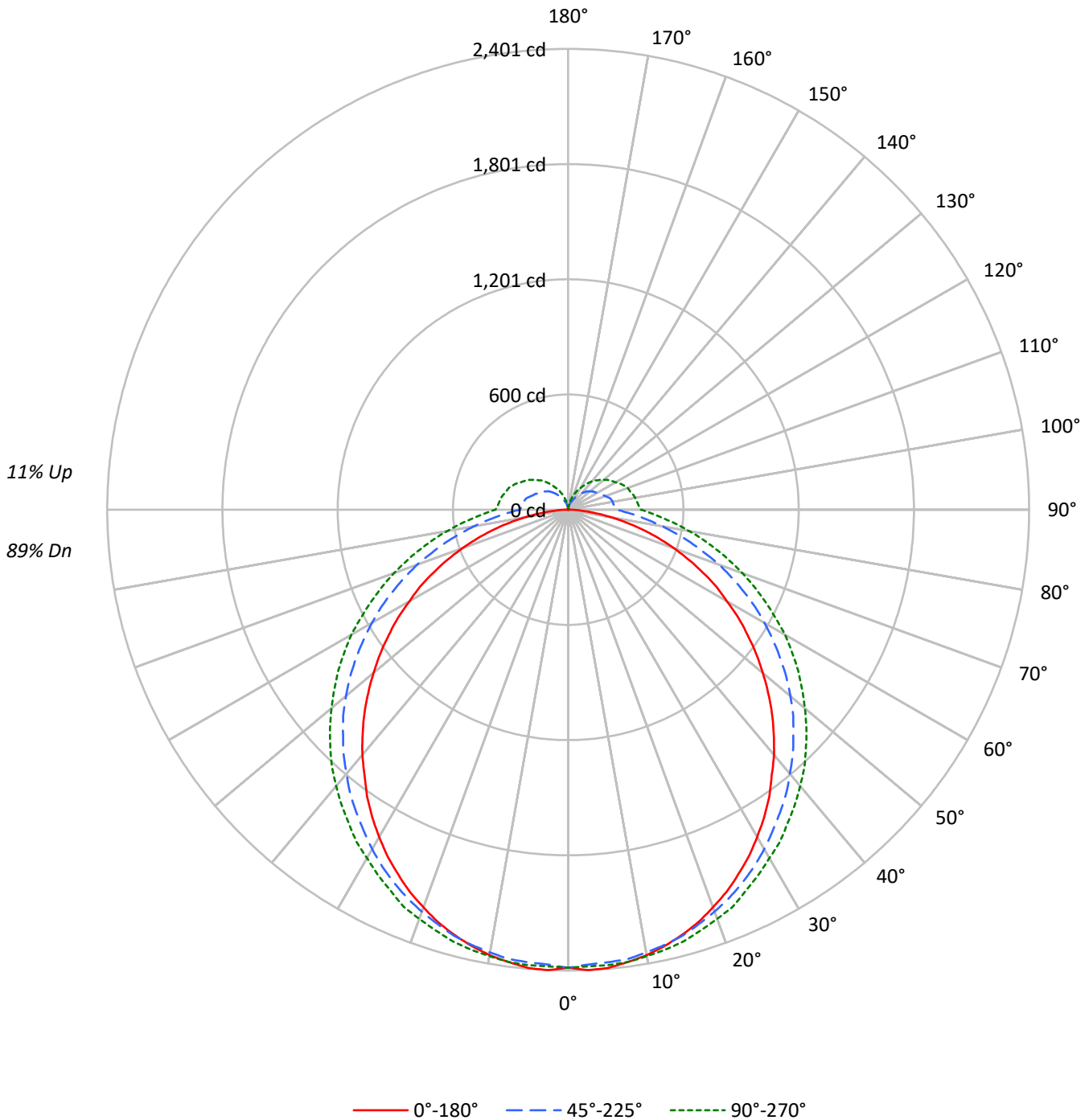
Lumens per Lamp: N/A
Luminaire Lumens: 8496.0 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 59.6
Input Voltage (V): NR
Input Current (Ain): 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°	12844	12844	12844
5°	12935	12522	12503
10°	12857	12277	12194
15°	12741	12024	11909
20°	12578	11733	11591
25°	12388	11448	11260
30°	12159	11134	10932
35°	11908	10809	10624
40°	11618	10488	10329
45°	11306	10162	10010
50°	10948	9817	9653
55°	10555	9401	9303
60°	10094	8957	8912
65°	9625	8456	8419
70°	8959	7905	7937
75°	8078	7203	7404
80°	6627	6491	6877
85°	4891	5888	6338



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.7	2.7
10°-20°	651.5	7.7
20°-30°	990.7	11.7
30°-40°	1202.6	14.2
40°-50°	1270.8	15.0
50°-60°	1189.2	14.0
60°-70°	975.7	11.5
70°-80°	671.1	7.9
80°-90°	367.5	4.3
90°-100°	236.7	2.8
100°-110°	212.4	2.5
110°-120°	175.8	2.1
120°-130°	135.4	1.6
130°-140°	95.1	1.1
140°-150°	57.3	0.7
150°-160°	27.4	0.3
160°-170°	9.0	0.1
170°-180°	1.1	0.0
0°-30°	1868.9	22.0
0°-40°	3071.5	36.2
0°-60°	5531.5	65.1
0°-90°	7545.9	88.8
90°-120°	624.8	7.4
90°-150°	912.6	10.7
90°-180°	950.0	11.2
0°-180°	8496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2386	2386	2386	2386	2386	
5°	2396	2392	2367	2386	2382	227
15°	2293	2303	2298	2328	2328	647
25°	2096	2121	2145	2190	2190	966
35°	1826	1870	1924	1978	1993	1140
45°	1501	1570	1658	1732	1752	1157
55°	1142	1235	1348	1432	1462	1022
65°	773	876	1009	1102	1132	765
75°	404	512	659	763	797	425
85°	89	212	359	458	492	102
90°	0	118	251	344	379	6
95°	0	113	241	330	364	0
105°	0	94	226	310	340	3
115°	5	84	192	276	310	5
125°	5	69	162	236	266	4
135°	5	54	133	192	216	4
145°	5	39	94	148	162	3
155°	5	25	59	94	108	2
165°	5	15	30	44	54	1
175°	5	5	10	10	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2386.5	2386.5	2386.5	2386.5	2386.5
2.5°	2401.3	2396.4	2371.8	2391.5	2381.6
5°	2396.4	2391.5	2366.9	2386.5	2381.6
7.5°	2376.7	2376.7	2361.9	2381.6	2376.7
10°	2357.0	2357.0	2342.3	2366.9	2361.9
12.5°	2327.5	2332.4	2322.6	2352.1	2347.2
15°	2293.1	2302.9	2298.0	2327.5	2327.5
17.5°	2253.7	2263.5	2263.5	2298.0	2298.0
20°	2204.5	2219.2	2229.1	2268.4	2268.4
22.5°	2155.3	2175.0	2189.7	2224.2	2238.9
25°	2096.2	2120.8	2145.4	2189.7	2189.7
27.5°	2037.2	2066.7	2096.2	2140.5	2145.4
30°	1968.3	2002.7	2042.1	2086.4	2096.2
32.5°	1899.4	1943.7	1983.0	2037.2	2051.9
35°	1825.6	1869.9	1924.0	1978.1	1992.9
37.5°	1741.9	1796.1	1865.0	1924.0	1938.8
40°	1668.1	1727.2	1796.1	1865.0	1879.7
42.5°	1584.5	1648.4	1732.1	1796.1	1820.7
45°	1500.8	1569.7	1658.3	1732.1	1751.8
47.5°	1412.2	1491.0	1589.4	1658.3	1682.9
50°	1323.7	1407.3	1510.7	1589.4	1609.1
52.5°	1235.1	1323.7	1431.9	1510.7	1535.3
55°	1141.6	1235.1	1348.3	1431.9	1461.5
57.5°	1053.0	1146.5	1264.6	1353.2	1382.7
60°	954.6	1062.9	1181.0	1269.5	1304.0
62.5°	871.0	969.4	1097.3	1185.9	1215.4
65°	772.6	875.9	1008.7	1102.2	1131.8
67.5°	679.1	787.3	920.2	1018.6	1048.1
70°	585.6	693.8	836.5	930.0	964.5
72.5°	492.1	605.2	743.0	846.4	880.8
75°	403.5	511.8	659.4	762.7	797.2
77.5°	310.0	428.1	575.7	679.1	718.4
80°	226.4	349.4	497.0	600.3	639.7
82.5°	152.5	275.6	423.2	526.5	565.9
85°	88.6	211.6	359.2	457.6	492.1
87.5°	44.3	162.4	300.2	398.6	433.0
90°	0.0	118.1	251.0	344.4	378.9
92.5°	0.0	113.2	246.0	334.6	369.1
95°	0.0	113.2	241.1	329.7	364.1
97.5°	0.0	108.3	236.2	329.7	359.2
100°	0.0	103.3	236.2	324.8	354.3
102.5°	0.0	98.4	231.3	319.8	349.4
105°	0.0	93.5	226.4	310.0	339.5
107.5°	4.9	93.5	216.5	305.1	334.6
110°	4.9	88.6	206.7	300.2	329.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.9	83.7	196.8	290.3	319.8
115°	4.9	83.7	191.9	275.6	310.0
117.5°	4.9	78.7	182.1	265.7	300.2
120°	4.9	78.7	177.1	255.9	285.4
122.5°	4.9	73.8	167.3	246.0	275.6
125°	4.9	68.9	162.4	236.2	265.7
127.5°	4.9	64.0	157.5	226.4	255.9
130°	4.9	59.0	147.6	216.5	241.1
132.5°	4.9	59.0	142.7	201.7	231.3
135°	4.9	54.1	132.9	191.9	216.5
137.5°	4.9	49.2	123.0	182.1	206.7
140°	4.9	44.3	113.2	172.2	191.9
142.5°	4.9	44.3	103.3	157.5	177.1
145°	4.9	39.4	93.5	147.6	162.4
147.5°	4.9	34.4	83.7	132.9	147.6
150°	4.9	34.4	73.8	118.1	132.9
152.5°	4.9	29.5	64.0	108.3	123.0
155°	4.9	24.6	59.0	93.5	108.3
157.5°	4.9	24.6	49.2	78.7	93.5
160°	4.9	19.7	44.3	64.0	78.7
162.5°	4.9	19.7	39.4	54.1	68.9
165°	4.9	14.8	29.5	44.3	54.1
167.5°	4.9	14.8	24.6	34.4	44.3
170°	4.9	9.8	19.7	24.6	34.4
172.5°	4.9	9.8	14.8	14.8	14.8
175°	4.9	4.9	9.8	9.8	4.9
177.5°	4.9	4.9	4.9	4.9	4.9
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)