

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: P567913

Luminaire Tested: **8SNX-62SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567913
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-62SL-SLW-UNV-L950-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

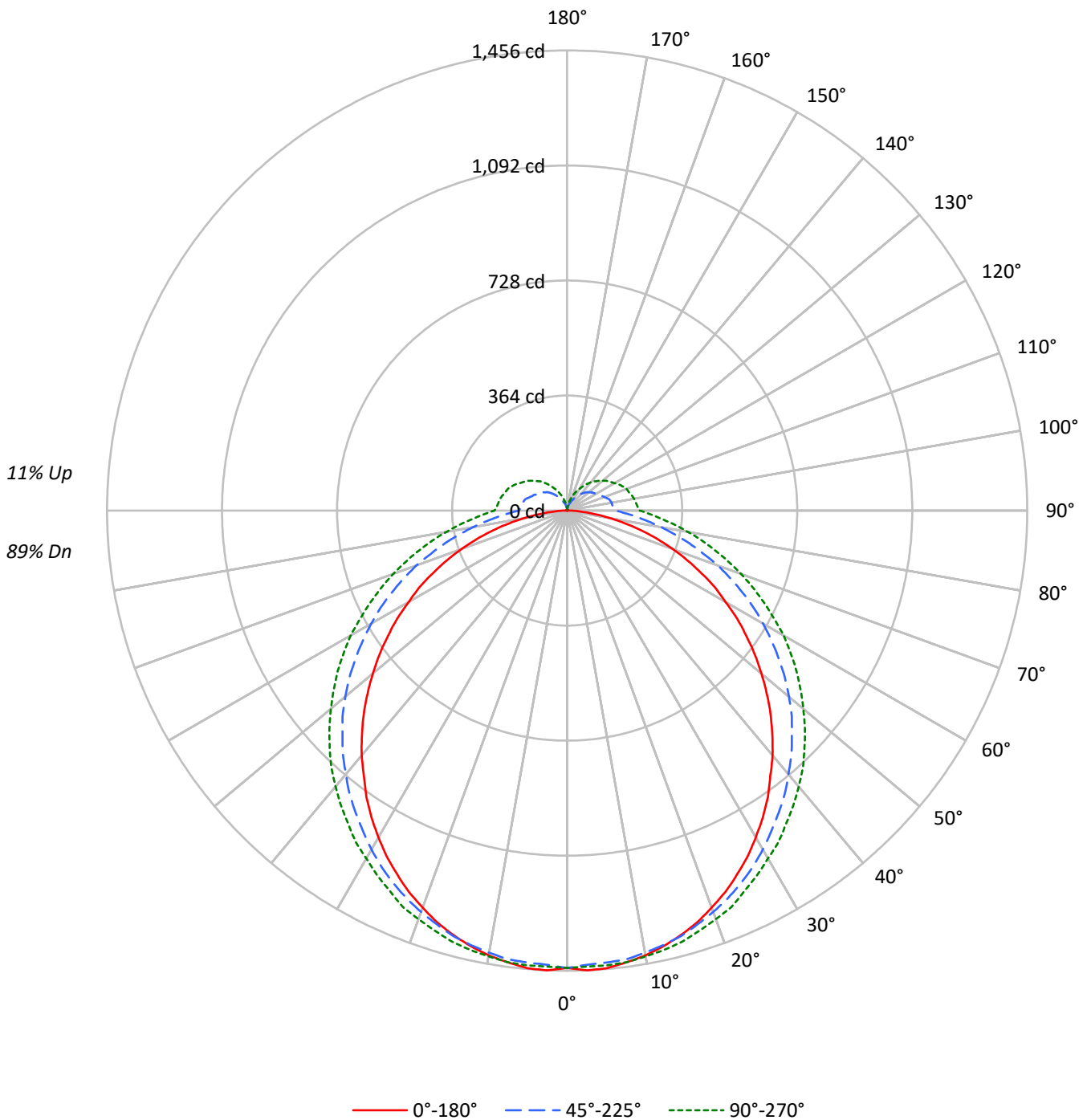
Lumens per Lamp: N/A
Luminaire Lumens: 5152.0 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 39
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°	7789	7789	7789
5°	7844	7593	7582
10°	7797	7445	7395
15°	7726	7291	7222
20°	7628	7115	7029
25°	7512	6942	6828
30°	7374	6752	6629
35°	7221	6554	6442
40°	7046	6360	6264
45°	6856	6162	6070
50°	6639	5953	5853
55°	6401	5701	5641
60°	6121	5431	5404
65°	5836	5128	5105
70°	5433	4794	4813
75°	4899	4367	4489
80°	4019	3937	4170
85°	2964	3570	3843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.5	2.7
10°-20°	395.1	7.7
20°-30°	600.8	11.7
30°-40°	729.3	14.2
40°-50°	770.6	15.0
50°-60°	721.1	14.0
60°-70°	591.7	11.5
70°-80°	407.0	7.9
80°-90°	222.9	4.3
90°-100°	143.5	2.8
100°-110°	128.8	2.5
110°-120°	106.6	2.1
120°-130°	82.1	1.6
130°-140°	57.7	1.1
140°-150°	34.8	0.7
150°-160°	16.6	0.3
160°-170°	5.5	0.1
170°-180°	0.7	0.0
0°-30°	1133.3	22.0
0°-40°	1862.6	36.2
0°-60°	3354.3	65.1
0°-90°	4575.8	88.8
90°-120°	378.9	7.4
90°-150°	553.4	10.7
90°-180°	576.0	11.2
0°-180°	5152.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1447	1447	1447	1447	1447	
5°	1453	1450	1435	1447	1444	138
15°	1390	1396	1394	1411	1411	392
25°	1271	1286	1301	1328	1328	586
35°	1107	1134	1167	1200	1208	692
45°	910	952	1006	1050	1062	701
55°	692	749	818	868	886	620
65°	468	531	612	668	686	464
75°	245	310	400	462	483	258
85°	54	128	218	278	298	62
90°	0	72	152	209	230	4
95°	0	69	146	200	221	0
105°	0	57	137	188	206	2
115°	3	51	116	167	188	3
125°	3	42	98	143	161	3
135°	3	33	81	116	131	2
145°	3	24	57	90	98	2
155°	3	15	36	57	66	1
165°	3	9	18	27	33	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1456.2	1453.2	1438.3	1450.2	1444.2
5°	1453.2	1450.2	1435.3	1447.2	1444.2
7.5°	1441.2	1441.2	1432.3	1444.2	1441.2
10°	1429.3	1429.3	1420.4	1435.3	1432.3
12.5°	1411.4	1414.4	1408.4	1426.3	1423.3
15°	1390.5	1396.5	1393.5	1411.4	1411.4
17.5°	1366.6	1372.6	1372.6	1393.5	1393.5
20°	1336.8	1345.8	1351.7	1375.6	1375.6
22.5°	1307.0	1318.9	1327.9	1348.7	1357.7
25°	1271.2	1286.1	1301.0	1327.9	1327.9
27.5°	1235.3	1253.3	1271.2	1298.0	1301.0
30°	1193.6	1214.5	1238.3	1265.2	1271.2
32.5°	1151.8	1178.7	1202.5	1235.3	1244.3
35°	1107.0	1133.9	1166.7	1199.5	1208.5
37.5°	1056.3	1089.1	1130.9	1166.7	1175.7
40°	1011.6	1047.4	1089.1	1130.9	1139.9
42.5°	960.8	999.6	1050.3	1089.1	1104.1
45°	910.1	951.9	1005.6	1050.3	1062.3
47.5°	856.4	904.1	963.8	1005.6	1020.5
50°	802.7	853.4	916.1	963.8	975.7
52.5°	749.0	802.7	868.3	916.1	931.0
55°	692.3	749.0	817.6	868.3	886.2
57.5°	638.6	695.3	766.9	820.6	838.5
60°	578.9	644.5	716.1	769.9	790.7
62.5°	528.2	587.8	665.4	719.1	737.0
65°	468.5	531.1	611.7	668.4	686.3
67.5°	411.8	477.4	558.0	617.7	635.6
70°	355.1	420.7	507.3	564.0	584.9
72.5°	298.4	367.0	450.6	513.2	534.1
75°	244.7	310.3	399.8	462.5	483.4
77.5°	188.0	259.6	349.1	411.8	435.7
80°	137.3	211.9	301.4	364.0	387.9
82.5°	92.5	167.1	256.6	319.3	343.2
85°	53.7	128.3	217.8	277.5	298.4
87.5°	26.9	98.5	182.0	241.7	262.6
90°	0.0	71.6	152.2	208.9	229.8
92.5°	0.0	68.6	149.2	202.9	223.8
95°	0.0	68.6	146.2	199.9	220.8
97.5°	0.0	65.6	143.2	199.9	217.8
100°	0.0	62.7	143.2	196.9	214.8
102.5°	0.0	59.7	140.2	194.0	211.9
105°	0.0	56.7	137.3	188.0	205.9
107.5°	3.0	56.7	131.3	185.0	202.9
110°	3.0	53.7	125.3	182.0	199.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	50.7	119.4	176.1	194.0
115°	3.0	50.7	116.4	167.1	188.0
117.5°	3.0	47.7	110.4	161.1	182.0
120°	3.0	47.7	107.4	155.2	173.1
122.5°	3.0	44.8	101.5	149.2	167.1
125°	3.0	41.8	98.5	143.2	161.1
127.5°	3.0	38.8	95.5	137.3	155.2
130°	3.0	35.8	89.5	131.3	146.2
132.5°	3.0	35.8	86.5	122.3	140.2
135°	3.0	32.8	80.6	116.4	131.3
137.5°	3.0	29.8	74.6	110.4	125.3
140°	3.0	26.9	68.6	104.4	116.4
142.5°	3.0	26.9	62.7	95.5	107.4
145°	3.0	23.9	56.7	89.5	98.5
147.5°	3.0	20.9	50.7	80.6	89.5
150°	3.0	20.9	44.8	71.6	80.6
152.5°	3.0	17.9	38.8	65.6	74.6
155°	3.0	14.9	35.8	56.7	65.6
157.5°	3.0	14.9	29.8	47.7	56.7
160°	3.0	11.9	26.9	38.8	47.7
162.5°	3.0	11.9	23.9	32.8	41.8
165°	3.0	9.0	17.9	26.9	32.8
167.5°	3.0	9.0	14.9	20.9	26.9
170°	3.0	6.0	11.9	14.9	20.9
172.5°	3.0	6.0	9.0	9.0	9.0
175°	3.0	3.0	6.0	6.0	3.0
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)