

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: P567905

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567905
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-LW-UNV-L950-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

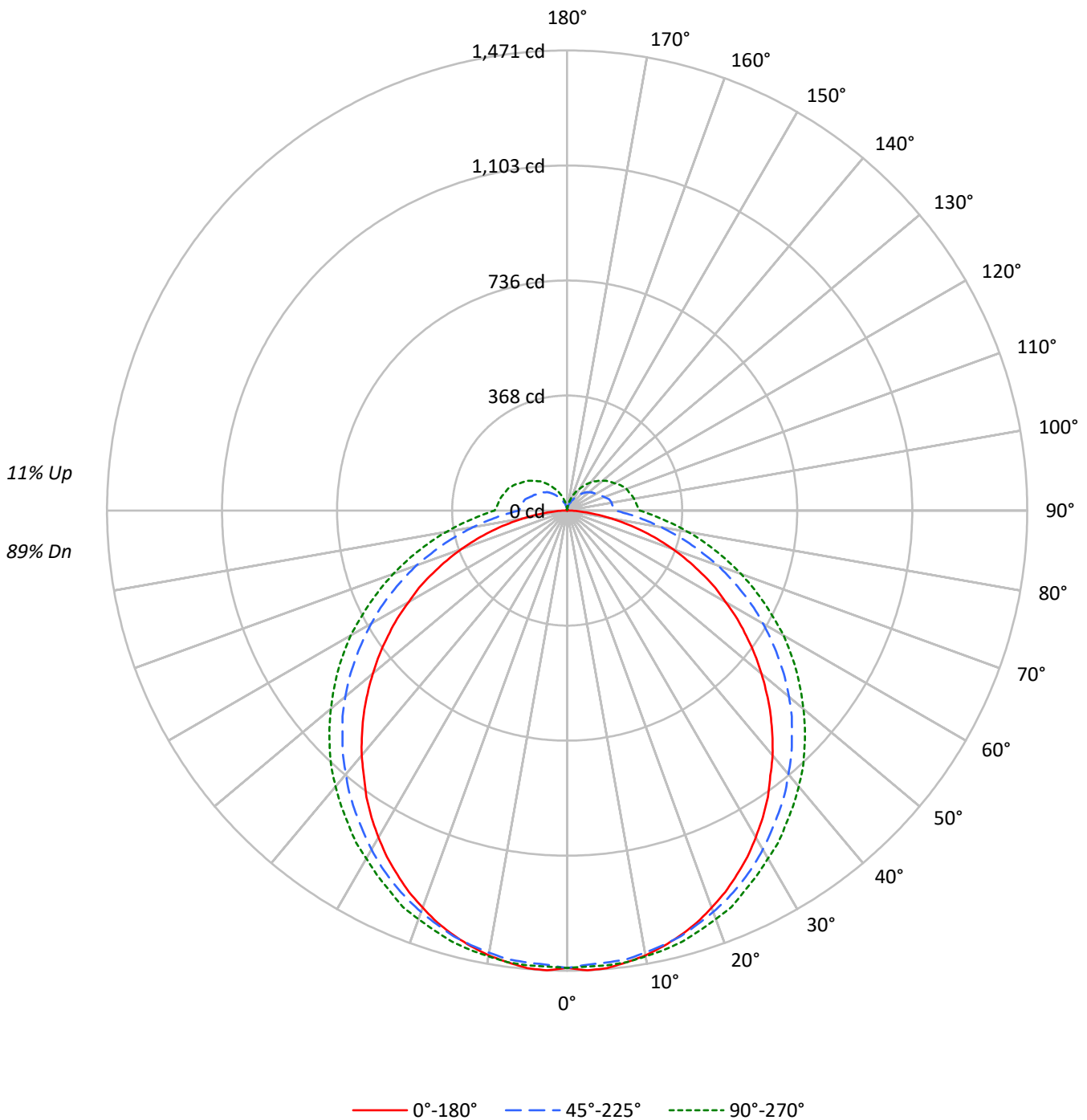
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5205.0 lumens
Efficiency: N/A
Efficacy: 133.5 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: 0.17')
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°	7869	7869	7869
5°	7917	7514	7448
10°	7863	7223	7076
15°	7784	6940	6741
20°	7677	6645	6405
25°	7553	6363	6077
30°	7405	6071	5763
35°	7242	5778	5469
40°	7057	5491	5188
45°	6856	5203	4901
50°	6625	4906	4600
55°	6373	4574	4303
60°	6076	4228	3991
65°	5770	3853	3634
70°	5339	3453	3284
75°	4770	2985	2912
80°	3845	2512	2541
85°	2708	2073	2160



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.9	2.7
10°-20°	399.2	7.7
20°-30°	606.9	11.7
30°-40°	736.8	14.2
40°-50°	778.5	15.0
50°-60°	728.5	14.0
60°-70°	597.8	11.5
70°-80°	411.2	7.9
80°-90°	225.2	4.3
90°-100°	145.0	2.8
100°-110°	130.1	2.5
110°-120°	107.7	2.1
120°-130°	82.9	1.6
130°-140°	58.3	1.1
140°-150°	35.1	0.7
150°-160°	16.8	0.3
160°-170°	5.5	0.1
170°-180°	0.7	0.0
0°-30°	1145.0	22.0
0°-40°	1881.7	36.2
0°-60°	3388.8	65.1
0°-90°	4622.9	88.8
90°-120°	382.8	7.4
90°-150°	559.1	10.7
90°-180°	582.0	11.2
0°-180°	5205.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1462	1462	1462	1462	1462	
5°	1468	1465	1450	1462	1459	139
15°	1405	1411	1408	1426	1426	396
25°	1284	1299	1314	1342	1342	592
35°	1118	1146	1179	1212	1221	699
45°	920	962	1016	1061	1073	709
55°	699	757	826	877	895	626
65°	473	537	618	675	693	469
75°	247	314	404	467	488	260
85°	54	130	220	280	302	63
90°	0	72	154	211	232	4
95°	0	69	148	202	223	0
105°	0	57	139	190	208	2
115°	3	51	118	169	190	3
125°	3	42	100	145	163	3
135°	3	33	81	118	133	2
145°	3	24	57	90	100	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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CATALOG NUMBER: 8SNX-62SL-LW-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1462.1	1462.1	1462.1	1462.1	1462.1
2.5°	1471.1	1468.1	1453.1	1465.1	1459.1
5°	1468.1	1465.1	1450.0	1462.1	1459.1
7.5°	1456.1	1456.1	1447.0	1459.1	1456.1
10°	1444.0	1444.0	1435.0	1450.0	1447.0
12.5°	1425.9	1428.9	1422.9	1441.0	1438.0
15°	1404.8	1410.8	1407.8	1425.9	1425.9
17.5°	1380.7	1386.7	1386.7	1407.8	1407.8
20°	1350.6	1359.6	1365.6	1389.7	1389.7
22.5°	1320.4	1332.5	1341.5	1362.6	1371.7
25°	1284.2	1299.3	1314.4	1341.5	1341.5
27.5°	1248.1	1266.1	1284.2	1311.4	1314.4
30°	1205.9	1227.0	1251.1	1278.2	1284.2
32.5°	1163.6	1190.8	1214.9	1248.1	1257.1
35°	1118.4	1145.6	1178.7	1211.9	1220.9
37.5°	1067.2	1100.3	1142.5	1178.7	1187.8
40°	1022.0	1058.1	1100.3	1142.5	1151.6
42.5°	970.7	1009.9	1061.2	1100.3	1115.4
45°	919.5	961.7	1015.9	1061.2	1073.2
47.5°	865.2	913.4	973.7	1015.9	1031.0
50°	810.9	862.2	925.5	973.7	985.8
52.5°	756.7	810.9	877.3	925.5	940.6
55°	699.4	756.7	826.0	877.3	895.3
57.5°	645.1	702.4	774.8	829.0	847.1
60°	584.8	651.2	723.5	777.8	798.9
62.5°	533.6	593.9	672.3	726.5	744.6
65°	473.3	536.6	618.0	675.3	693.4
67.5°	416.0	482.3	563.7	624.0	642.1
70°	358.7	425.1	512.5	569.8	590.9
72.5°	301.5	370.8	455.2	518.5	539.6
75°	247.2	313.5	404.0	467.3	488.4
77.5°	189.9	262.3	352.7	416.0	440.1
80°	138.7	214.0	304.5	367.8	391.9
82.5°	93.5	168.8	259.3	322.6	346.7
85°	54.3	129.6	220.1	280.4	301.5
87.5°	27.1	99.5	183.9	244.2	265.3
90°	0.0	72.4	153.7	211.0	232.1
92.5°	0.0	69.3	150.7	205.0	226.1
95°	0.0	69.3	147.7	202.0	223.1
97.5°	0.0	66.3	144.7	202.0	220.1
100°	0.0	63.3	144.7	199.0	217.1
102.5°	0.0	60.3	141.7	196.0	214.0
105°	0.0	57.3	138.7	189.9	208.0
107.5°	3.0	57.3	132.6	186.9	205.0
110°	3.0	54.3	126.6	183.9	202.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	51.2	120.6	177.9	196.0
115°	3.0	51.2	117.6	168.8	189.9
117.5°	3.0	48.2	111.5	162.8	183.9
120°	3.0	48.2	108.5	156.8	174.8
122.5°	3.0	45.2	102.5	150.7	168.8
125°	3.0	42.2	99.5	144.7	162.8
127.5°	3.0	39.2	96.5	138.7	156.8
130°	3.0	36.2	90.4	132.6	147.7
132.5°	3.0	36.2	87.4	123.6	141.7
135°	3.0	33.2	81.4	117.6	132.6
137.5°	3.0	30.1	75.4	111.5	126.6
140°	3.0	27.1	69.3	105.5	117.6
142.5°	3.0	27.1	63.3	96.5	108.5
145°	3.0	24.1	57.3	90.4	99.5
147.5°	3.0	21.1	51.2	81.4	90.4
150°	3.0	21.1	45.2	72.4	81.4
152.5°	3.0	18.1	39.2	66.3	75.4
155°	3.0	15.1	36.2	57.3	66.3
157.5°	3.0	15.1	30.1	48.2	57.3
160°	3.0	12.1	27.1	39.2	48.2
162.5°	3.0	12.1	24.1	33.2	42.2
165°	3.0	9.0	18.1	27.1	33.2
167.5°	3.0	9.0	15.1	21.1	27.1
170°	3.0	6.0	12.1	15.1	21.1
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)