

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: P567880

Luminaire Tested: **8SNX-62SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-62SL-FDL-UNV-L940-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

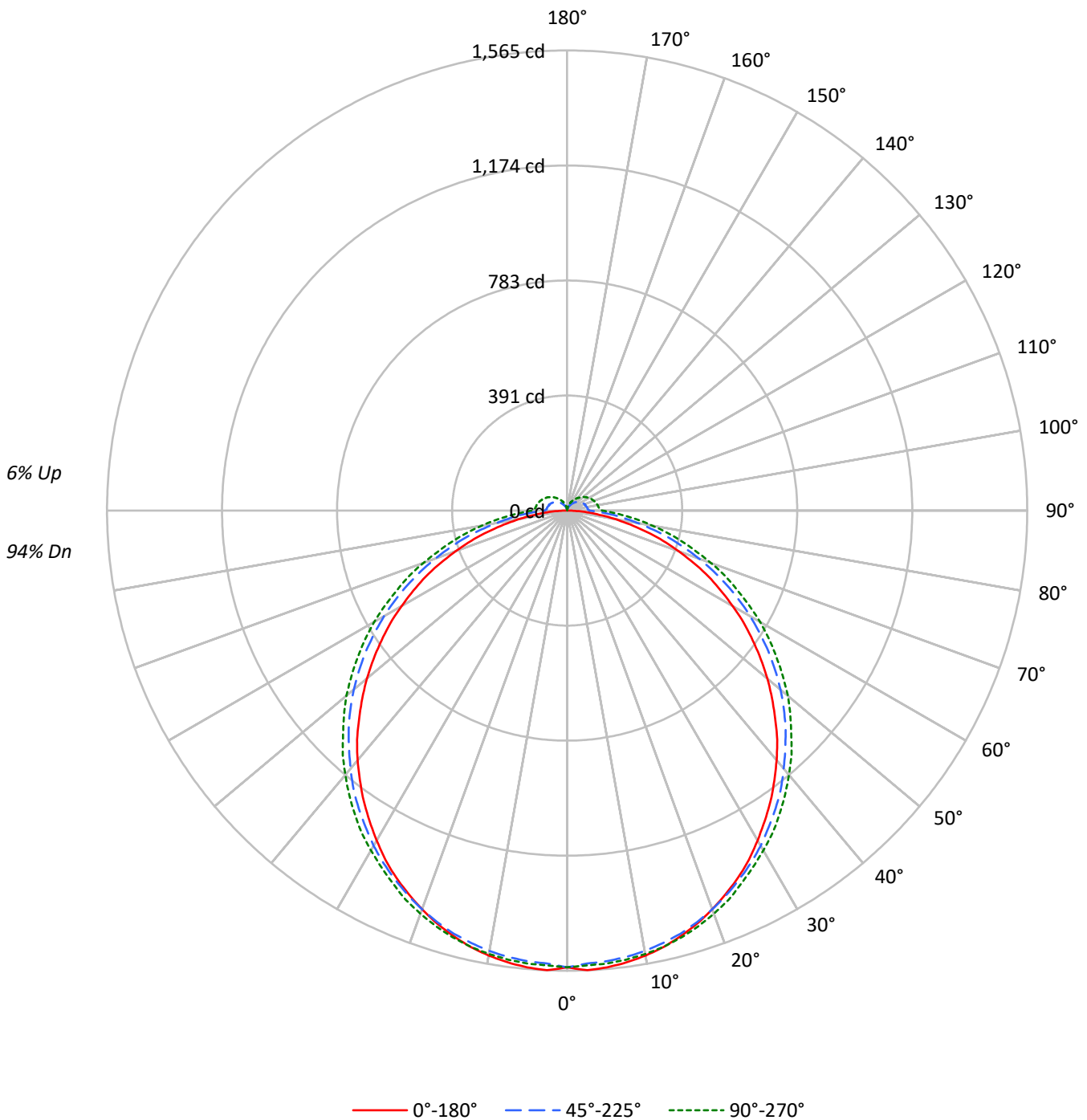
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4935.9 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8360	8360	8360
5°	8421	8224	8234
10°	8390	8137	8130
15°	8331	8037	8014
20°	8250	7915	7878
25°	8155	7781	7716
30°	8026	7644	7566
35°	7897	7484	7411
40°	7753	7306	7236
45°	7572	7131	7031
50°	7398	6930	6845
55°	7181	6681	6586
60°	6937	6397	6330
65°	6682	6057	5978
70°	6238	5631	5614
75°	5705	5127	5177
80°	4922	4458	4694
85°	3975	3885	4124



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.3	3.0
10°-20°	422.7	8.6
20°-30°	640.6	13.0
30°-40°	773.3	15.7
40°-50°	807.5	16.4
50°-60°	741.9	15.0
60°-70°	586.6	11.9
70°-80°	371.3	7.5
80°-90°	159.6	3.2
90°-100°	70.2	1.4
100°-110°	62.9	1.3
110°-120°	53.1	1.1
120°-130°	41.4	0.8
130°-140°	28.6	0.6
140°-150°	17.2	0.3
150°-160°	8.4	0.2
160°-170°	2.9	0.1
170°-180°	0.4	0.0
0°-30°	1210.6	24.5
0°-40°	1983.9	40.2
0°-60°	3533.3	71.6
0°-90°	4650.8	94.2
90°-120°	186.2	3.8
90°-150°	273.4	5.5
90°-180°	285.0	5.8
0°-180°	4935.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1553	1553	1553	1553	1553	
5°	1559	1555	1538	1552	1546	148
15°	1497	1497	1490	1505	1503	422
25°	1377	1383	1385	1403	1400	634
35°	1206	1220	1236	1255	1260	754
45°	1000	1024	1051	1071	1078	772
55°	771	802	836	863	869	690
65°	531	560	600	628	637	522
75°	280	313	358	389	404	296
85°	68	105	150	183	194	75
90°	4	38	77	108	119	6
95°	1	32	70	98	108	1
105°	1	30	66	92	101	1
115°	1	25	59	83	92	1
125°	2	23	50	72	80	2
135°	2	18	40	57	64	1
145°	2	13	28	43	47	1
155°	2	9	18	27	32	1
165°	3	6	10	13	18	1
175°	3	4	4	4	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1553.3	1553.3	1553.3	1553.3	1553.3
2.5°	1564.6	1559.4	1541.9	1554.1	1548.0
5°	1559.4	1555.0	1538.4	1551.5	1546.3
7.5°	1549.8	1546.3	1531.4	1545.4	1540.2
10°	1536.7	1534.0	1520.9	1534.9	1531.4
12.5°	1520.1	1519.2	1506.1	1521.8	1519.2
15°	1497.3	1497.3	1489.5	1505.2	1502.6
17.5°	1472.8	1473.7	1467.6	1484.2	1482.5
20°	1443.1	1447.5	1443.1	1460.6	1458.9
22.5°	1410.8	1416.9	1415.2	1432.6	1433.5
25°	1376.7	1382.8	1384.6	1402.9	1400.3
27.5°	1339.1	1348.7	1352.2	1368.8	1368.0
30°	1295.4	1308.5	1316.4	1330.4	1334.7
32.5°	1250.8	1266.6	1276.2	1295.4	1300.7
35°	1206.3	1220.2	1236.0	1255.2	1259.6
37.5°	1157.3	1173.0	1194.0	1212.4	1217.6
40°	1108.4	1125.8	1145.9	1166.0	1173.9
42.5°	1057.7	1076.0	1097.9	1121.5	1129.3
45°	1000.0	1024.4	1050.7	1070.8	1077.8
47.5°	944.9	972.0	1000.0	1021.8	1029.7
50°	889.0	917.8	947.5	967.6	979.9
52.5°	830.4	861.9	891.6	916.9	924.8
55°	771.0	802.4	835.6	862.7	868.9
57.5°	713.3	743.9	777.1	802.4	814.7
60°	650.3	683.5	719.4	744.7	757.8
62.5°	589.1	621.5	659.9	687.0	697.5
65°	530.6	560.3	599.6	627.6	637.2
67.5°	465.9	500.0	537.6	569.9	582.1
70°	402.1	434.4	477.3	507.8	520.1
72.5°	342.6	374.1	416.9	447.5	458.9
75°	279.7	312.9	358.4	389.0	403.8
77.5°	219.4	256.1	299.8	333.0	349.6
80°	163.5	195.8	243.0	279.7	294.6
82.5°	111.0	146.0	194.9	229.0	245.6
85°	68.2	104.9	150.3	182.7	194.0
87.5°	32.3	67.3	109.3	140.7	154.7
90°	4.4	37.6	76.9	107.5	118.9
92.5°	0.9	32.3	70.8	99.6	110.1
95°	0.9	32.3	69.9	97.9	108.4
97.5°	0.9	31.5	69.1	97.0	106.6
100°	0.9	30.6	68.2	95.3	105.8
102.5°	0.9	30.6	66.4	93.5	103.1
105°	0.9	29.7	65.6	91.8	101.4
107.5°	0.9	28.8	63.8	90.0	99.6
110°	0.9	27.1	62.9	87.4	97.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	26.2	61.2	85.7	94.4
115°	0.9	25.3	59.4	83.0	91.8
117.5°	0.9	24.5	56.8	80.4	89.2
120°	1.7	24.5	55.1	77.8	85.7
122.5°	1.7	23.6	52.4	74.3	82.2
125°	1.7	22.7	49.8	71.7	79.5
127.5°	1.7	21.9	47.2	68.2	75.2
130°	1.7	20.1	45.5	64.7	71.7
132.5°	1.7	19.2	42.8	60.3	67.3
135°	1.7	17.5	40.2	56.8	63.8
137.5°	1.7	16.6	37.6	53.3	59.4
140°	1.7	15.7	34.1	49.8	55.9
142.5°	1.7	14.0	31.5	46.3	51.6
145°	1.7	13.1	28.0	42.8	47.2
147.5°	1.7	11.4	25.3	39.3	43.7
150°	1.7	10.5	22.7	35.8	40.2
152.5°	1.7	9.6	20.1	31.5	35.8
155°	1.7	8.7	18.4	27.1	32.3
157.5°	1.7	7.9	15.7	23.6	28.8
160°	2.6	7.0	14.0	20.1	24.5
162.5°	2.6	6.1	11.4	16.6	21.9
165°	2.6	6.1	9.6	13.1	18.4
167.5°	2.6	5.2	7.9	10.5	14.9
170°	2.6	4.4	7.0	7.9	11.4
172.5°	2.6	3.5	5.2	5.2	6.1
175°	2.6	3.5	4.4	4.4	2.6
177.5°	2.6	2.6	2.6	2.6	1.7
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)