

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: P567952

Luminaire Tested: **8SNX-66SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567952
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-66SL-LW-UNV-L940-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

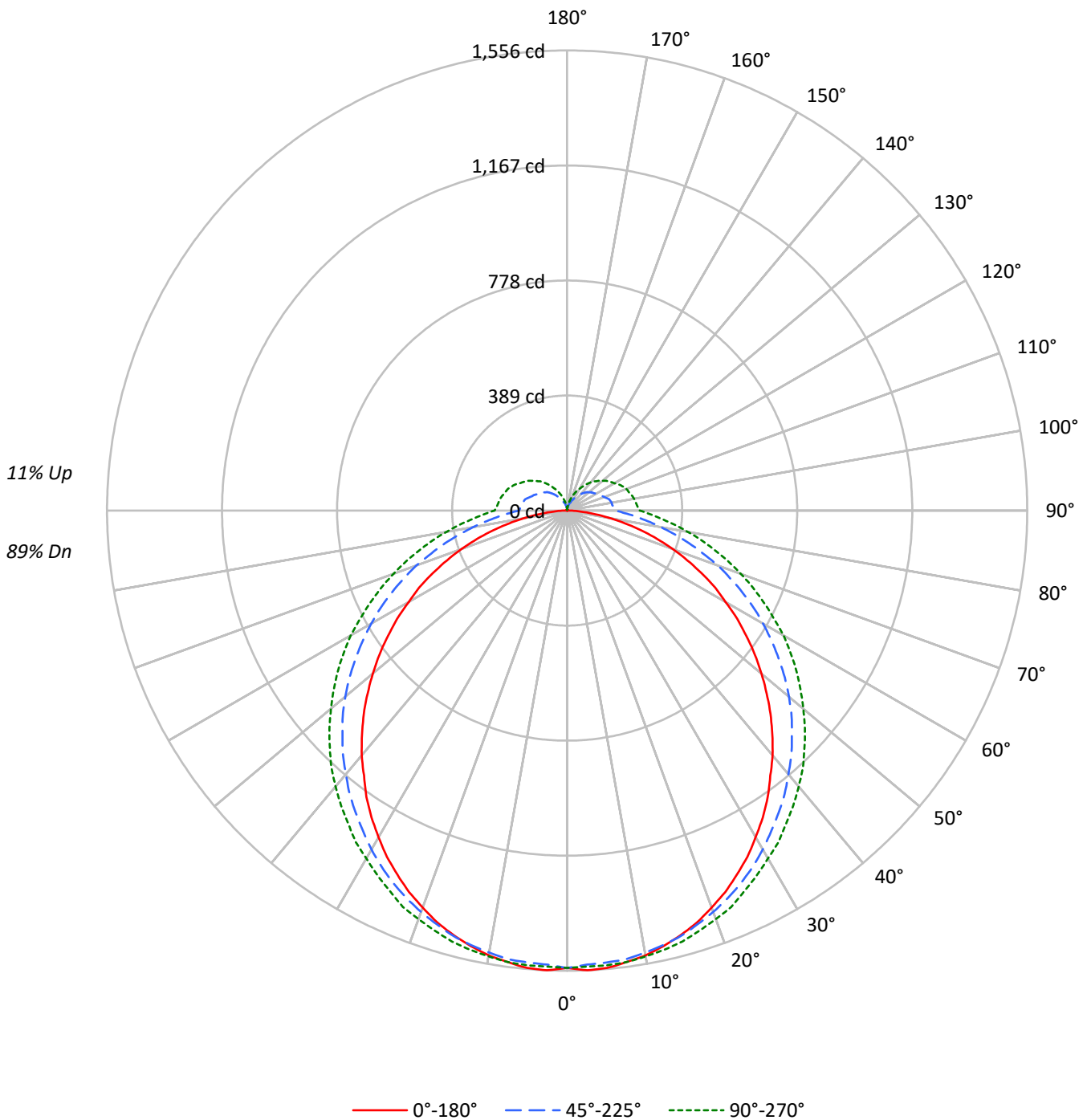
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5505.0 lumens
Efficiency: N/A
Efficacy: 130.4 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): 42.2
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	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°	8323	8323	8323
5°	8373	7947	7878
10°	8316	7639	7484
15°	8233	7340	7129
20°	8119	7028	6774
25°	7988	6729	6427
30°	7832	6421	6095
35°	7660	6111	5784
40°	7464	5807	5487
45°	7251	5503	5184
50°	7007	5189	4865
55°	6740	4838	4552
60°	6426	4471	4221
65°	6102	4075	3843
70°	5647	3652	3473
75°	5043	3156	3079
80°	4066	2656	2687
85°	2863	2193	2284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	2.7
10°-20°	422.2	7.7
20°-30°	641.9	11.7
30°-40°	779.2	14.2
40°-50°	823.4	15.0
50°-60°	770.5	14.0
60°-70°	632.2	11.5
70°-80°	434.8	7.9
80°-90°	238.1	4.3
90°-100°	153.3	2.8
100°-110°	137.6	2.5
110°-120°	113.9	2.1
120°-130°	87.7	1.6
130°-140°	61.6	1.1
140°-150°	37.1	0.7
150°-160°	17.8	0.3
160°-170°	5.8	0.1
170°-180°	0.7	0.0
0°-30°	1211.0	22.0
0°-40°	1990.2	36.2
0°-60°	3584.2	65.1
0°-90°	4889.4	88.8
90°-120°	404.8	7.4
90°-150°	591.3	10.7
90°-180°	616.0	11.2
0°-180°	5505.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1546	1546	1546	1546	1546	
5°	1553	1550	1534	1546	1543	147
15°	1486	1492	1489	1508	1508	419
25°	1358	1374	1390	1419	1419	626
35°	1183	1212	1247	1282	1291	739
45°	972	1017	1074	1122	1135	750
55°	740	800	874	928	947	662
65°	501	568	654	714	733	496
75°	261	332	427	494	516	275
85°	57	137	233	296	319	66
90°	0	76	163	223	246	4
95°	0	73	156	214	236	0
105°	0	61	147	201	220	2
115°	3	54	124	178	201	3
125°	3	45	105	153	172	3
135°	3	35	86	124	140	2
145°	3	26	61	96	105	2
155°	3	16	38	61	70	1
165°	3	10	19	29	35	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 8SNX-66SL-LW-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1546.4	1546.4	1546.4	1546.4	1546.4
2.5°	1555.9	1552.7	1536.8	1549.6	1543.2
5°	1552.7	1549.6	1533.6	1546.4	1543.2
7.5°	1540.0	1540.0	1530.4	1543.2	1540.0
10°	1527.2	1527.2	1517.7	1533.6	1530.4
12.5°	1508.1	1511.3	1504.9	1524.0	1520.9
15°	1485.8	1492.2	1489.0	1508.1	1508.1
17.5°	1460.3	1466.7	1466.7	1489.0	1489.0
20°	1428.4	1438.0	1444.3	1469.8	1469.8
22.5°	1396.5	1409.3	1418.8	1441.2	1450.7
25°	1358.3	1374.2	1390.1	1418.8	1418.8
27.5°	1320.0	1339.1	1358.3	1386.9	1390.1
30°	1275.4	1297.7	1323.2	1351.9	1358.3
32.5°	1230.7	1259.4	1284.9	1320.0	1329.6
35°	1182.9	1211.6	1246.7	1281.7	1291.3
37.5°	1128.7	1163.8	1208.4	1246.7	1256.2
40°	1080.9	1119.1	1163.8	1208.4	1218.0
42.5°	1026.7	1068.1	1122.3	1163.8	1179.7
45°	972.5	1017.1	1074.5	1122.3	1135.1
47.5°	915.1	966.1	1029.8	1074.5	1090.4
50°	857.7	911.9	978.8	1029.8	1042.6
52.5°	800.3	857.7	927.8	978.8	994.8
55°	739.7	800.3	873.6	927.8	947.0
57.5°	682.3	742.9	819.4	876.8	895.9
60°	618.5	688.7	765.2	822.6	844.9
62.5°	564.3	628.1	711.0	768.4	787.5
65°	500.6	567.5	653.6	714.2	733.3
67.5°	440.0	510.1	596.2	660.0	679.1
70°	379.4	449.6	542.0	602.6	624.9
72.5°	318.8	392.2	481.4	548.4	570.7
75°	261.4	331.6	427.2	494.2	516.5
77.5°	200.9	277.4	373.0	440.0	465.5
80°	146.7	226.4	322.0	389.0	414.5
82.5°	98.8	178.5	274.2	341.2	366.7
85°	57.4	137.1	232.8	296.5	318.8
87.5°	28.7	105.2	194.5	258.3	280.6
90°	0.0	76.5	162.6	223.2	245.5
92.5°	0.0	73.3	159.4	216.8	239.1
95°	0.0	73.3	156.2	213.6	235.9
97.5°	0.0	70.1	153.0	213.6	232.8
100°	0.0	67.0	153.0	210.4	229.6
102.5°	0.0	63.8	149.9	207.2	226.4
105°	0.0	60.6	146.7	200.9	220.0
107.5°	3.2	60.6	140.3	197.7	216.8
110°	3.2	57.4	133.9	194.5	213.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	54.2	127.5	188.1	207.2
115°	3.2	54.2	124.3	178.5	200.9
117.5°	3.2	51.0	118.0	172.2	194.5
120°	3.2	51.0	114.8	165.8	184.9
122.5°	3.2	47.8	108.4	159.4	178.5
125°	3.2	44.6	105.2	153.0	172.2
127.5°	3.2	41.4	102.0	146.7	165.8
130°	3.2	38.3	95.7	140.3	156.2
132.5°	3.2	38.3	92.5	130.7	149.9
135°	3.2	35.1	86.1	124.3	140.3
137.5°	3.2	31.9	79.7	118.0	133.9
140°	3.2	28.7	73.3	111.6	124.3
142.5°	3.2	28.7	67.0	102.0	114.8
145°	3.2	25.5	60.6	95.7	105.2
147.5°	3.2	22.3	54.2	86.1	95.7
150°	3.2	22.3	47.8	76.5	86.1
152.5°	3.2	19.1	41.4	70.1	79.7
155°	3.2	15.9	38.3	60.6	70.1
157.5°	3.2	15.9	31.9	51.0	60.6
160°	3.2	12.8	28.7	41.4	51.0
162.5°	3.2	12.8	25.5	35.1	44.6
165°	3.2	9.6	19.1	28.7	35.1
167.5°	3.2	9.6	15.9	22.3	28.7
170°	3.2	6.4	12.8	15.9	22.3
172.5°	3.2	6.4	9.6	9.6	9.6
175°	3.2	3.2	6.4	6.4	3.2
177.5°	3.2	3.2	3.2	3.2	3.2
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)