

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: P567960

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567960
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-SLW-UNV-L940-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

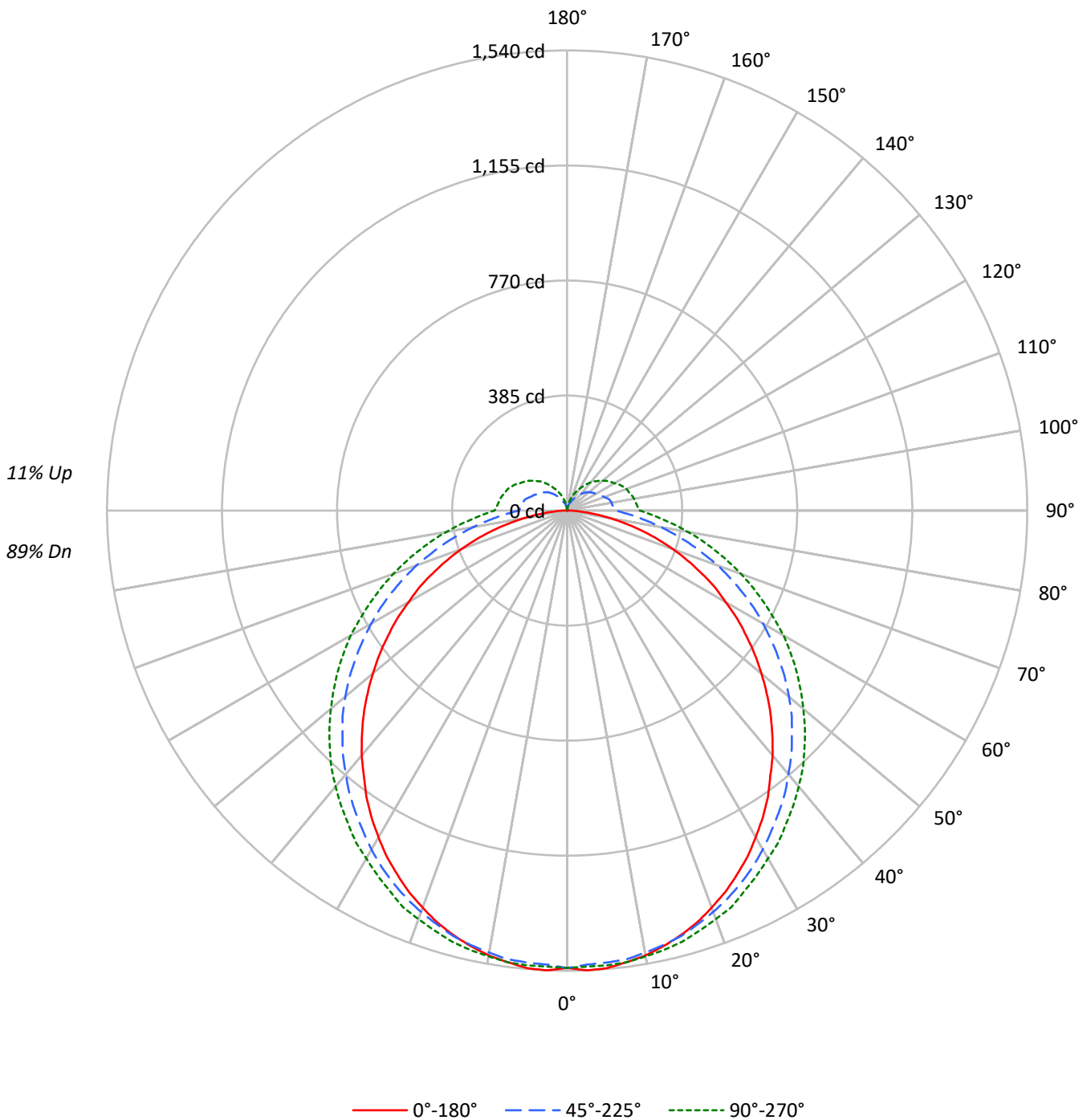
Lumens per Lamp: N/A
Luminaire Lumens: 5449.0 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 42.2
Input Voltage (V): NR
Input Current (A_{in}): 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°	8238	8238	8238
5°	8296	8031	8019
10°	8246	7873	7821
15°	8172	7711	7638
20°	8067	7525	7434
25°	7945	7342	7222
30°	7799	7141	7011
35°	7638	6932	6814
40°	7452	6726	6625
45°	7251	6517	6420
50°	7022	6296	6191
55°	6770	6029	5966
60°	6474	5744	5715
65°	6173	5424	5400
70°	5747	5070	5091
75°	5181	4620	4749
80°	4250	4164	4411
85°	3136	3777	4065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	2.7
10°-20°	417.9	7.7
20°-30°	635.4	11.7
30°-40°	771.3	14.2
40°-50°	815.1	15.0
50°-60°	762.7	14.0
60°-70°	625.8	11.5
70°-80°	430.4	7.9
80°-90°	235.7	4.3
90°-100°	151.8	2.8
100°-110°	136.2	2.5
110°-120°	112.7	2.1
120°-130°	86.8	1.6
130°-140°	61.0	1.1
140°-150°	36.8	0.7
150°-160°	17.6	0.3
160°-170°	5.8	0.1
170°-180°	0.7	0.0
0°-30°	1198.7	22.0
0°-40°	1970.0	36.2
0°-60°	3547.7	65.1
0°-90°	4839.6	88.8
90°-120°	400.7	7.4
90°-150°	585.3	10.7
90°-180°	609.0	11.2
0°-180°	5449.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1531	1531	1531	1531	1531	
5°	1537	1534	1518	1531	1528	146
15°	1471	1477	1474	1493	1493	415
25°	1344	1360	1376	1404	1404	620
35°	1171	1199	1234	1269	1278	731
45°	963	1007	1064	1111	1124	742
55°	732	792	865	918	937	655
65°	496	562	647	707	726	491
75°	259	328	423	489	511	272
85°	57	136	230	294	316	66
90°	0	76	161	221	243	4
95°	0	73	155	211	234	0
105°	0	60	145	199	218	2
115°	3	54	123	177	199	3
125°	3	44	104	152	170	3
135°	3	35	85	123	139	2
145°	3	25	60	95	104	2
155°	3	16	38	60	69	1
165°	3	10	19	28	35	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°	1530.6	1530.6	1530.6	1530.6	1530.6
2.5°	1540.1	1536.9	1521.2	1533.8	1527.5
5°	1536.9	1533.8	1518.0	1530.6	1527.5
7.5°	1524.3	1524.3	1514.9	1527.5	1524.3
10°	1511.7	1511.7	1502.2	1518.0	1514.9
12.5°	1492.8	1495.9	1489.6	1508.5	1505.4
15°	1470.7	1477.0	1473.8	1492.8	1492.8
17.5°	1445.4	1451.7	1451.7	1473.8	1473.8
20°	1413.9	1423.3	1429.6	1454.9	1454.9
22.5°	1382.3	1394.9	1404.4	1426.5	1436.0
25°	1344.4	1360.2	1376.0	1404.4	1404.4
27.5°	1306.6	1325.5	1344.4	1372.8	1376.0
30°	1262.4	1284.5	1309.7	1338.1	1344.4
32.5°	1218.2	1246.6	1271.8	1306.6	1316.0
35°	1170.9	1199.3	1234.0	1268.7	1278.2
37.5°	1117.2	1151.9	1196.1	1234.0	1243.4
40°	1069.9	1107.7	1151.9	1196.1	1205.6
42.5°	1016.2	1057.2	1110.9	1151.9	1167.7
45°	962.6	1006.7	1063.6	1110.9	1123.5
47.5°	905.8	956.3	1019.4	1063.6	1079.3
50°	849.0	902.6	968.9	1019.4	1032.0
52.5°	792.1	849.0	918.4	968.9	984.7
55°	732.2	792.1	864.7	918.4	937.3
57.5°	675.4	735.3	811.1	867.9	886.8
60°	612.3	681.7	757.4	814.2	836.3
62.5°	558.6	621.7	703.8	760.6	779.5
65°	495.5	561.8	647.0	706.9	725.9
67.5°	435.5	505.0	590.2	653.3	672.2
70°	375.6	445.0	536.5	596.5	618.6
72.5°	315.6	388.2	476.5	542.8	564.9
75°	258.8	328.2	422.9	489.2	511.3
77.5°	198.8	274.6	369.2	435.5	460.8
80°	145.2	224.1	318.8	385.0	410.3
82.5°	97.8	176.7	271.4	337.7	362.9
85°	56.8	135.7	230.4	293.5	315.6
87.5°	28.4	104.1	192.5	255.6	277.7
90°	0.0	75.7	161.0	220.9	243.0
92.5°	0.0	72.6	157.8	214.6	236.7
95°	0.0	72.6	154.6	211.4	233.5
97.5°	0.0	69.4	151.5	211.4	230.4
100°	0.0	66.3	151.5	208.3	227.2
102.5°	0.0	63.1	148.3	205.1	224.1
105°	0.0	60.0	145.2	198.8	217.8
107.5°	3.2	60.0	138.9	195.7	214.6
110°	3.2	56.8	132.5	192.5	211.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	53.7	126.2	186.2	205.1
115°	3.2	53.7	123.1	176.7	198.8
117.5°	3.2	50.5	116.8	170.4	192.5
120°	3.2	50.5	113.6	164.1	183.0
122.5°	3.2	47.3	107.3	157.8	176.7
125°	3.2	44.2	104.1	151.5	170.4
127.5°	3.2	41.0	101.0	145.2	164.1
130°	3.2	37.9	94.7	138.9	154.6
132.5°	3.2	37.9	91.5	129.4	148.3
135°	3.2	34.7	85.2	123.1	138.9
137.5°	3.2	31.6	78.9	116.8	132.5
140°	3.2	28.4	72.6	110.5	123.1
142.5°	3.2	28.4	66.3	101.0	113.6
145°	3.2	25.2	60.0	94.7	104.1
147.5°	3.2	22.1	53.7	85.2	94.7
150°	3.2	22.1	47.3	75.7	85.2
152.5°	3.2	18.9	41.0	69.4	78.9
155°	3.2	15.8	37.9	60.0	69.4
157.5°	3.2	15.8	31.6	50.5	60.0
160°	3.2	12.6	28.4	41.0	50.5
162.5°	3.2	12.6	25.2	34.7	44.2
165°	3.2	9.5	18.9	28.4	34.7
167.5°	3.2	9.5	15.8	22.1	28.4
170°	3.2	6.3	12.6	15.8	22.1
172.5°	3.2	6.3	9.5	9.5	9.5
175°	3.2	3.2	6.3	6.3	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)