

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: P567954

Luminaire Tested: **8SNX-66SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567954
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-L830-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

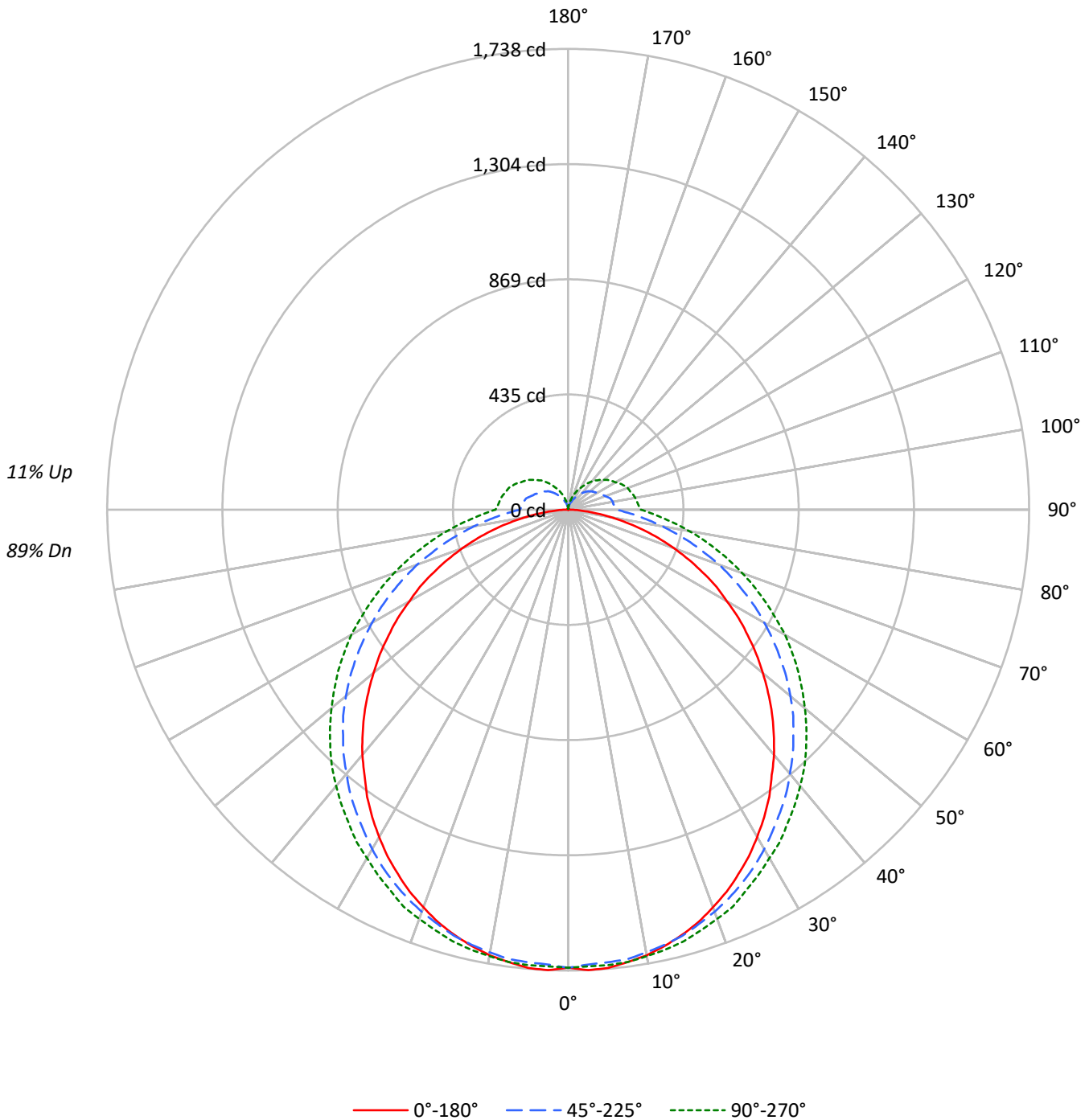
Lumens per Lamp: N/A
Luminaire Lumens: 6150.0 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 42.2
Input Voltage (V): NR
Input Current (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°	9297	9297	9297
5°	9363	9064	9051
10°	9307	8887	8827
15°	9223	8704	8621
20°	9105	8493	8391
25°	8967	8287	8151
30°	8802	8060	7913
35°	8620	7824	7690
40°	8410	7592	7477
45°	8184	7356	7246
50°	7925	7106	6988
55°	7641	6805	6734
60°	7307	6483	6451
65°	6966	6121	6094
70°	6486	5722	5745
75°	5848	5214	5359
80°	4798	4699	4979
85°	3539	4262	4587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.1	2.7
10°-20°	471.6	7.7
20°-30°	717.1	11.7
30°-40°	870.5	14.2
40°-50°	919.9	15.0
50°-60°	860.8	14.0
60°-70°	706.3	11.5
70°-80°	485.8	7.9
80°-90°	266.0	4.3
90°-100°	171.3	2.8
100°-110°	153.7	2.5
110°-120°	127.3	2.1
120°-130°	98.0	1.6
130°-140°	68.8	1.1
140°-150°	41.5	0.7
150°-160°	19.9	0.3
160°-170°	6.5	0.1
170°-180°	0.8	0.0
0°-30°	1352.9	22.0
0°-40°	2223.4	36.2
0°-60°	4004.1	65.1
0°-90°	5462.3	88.8
90°-120°	452.3	7.4
90°-150°	660.6	10.7
90°-180°	688.0	11.2
0°-180°	6150.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1728	1728	1728	1728	1728	
5°	1735	1731	1713	1728	1724	165
15°	1660	1667	1663	1685	1685	468
25°	1517	1535	1553	1585	1585	699
35°	1322	1354	1393	1432	1443	825
45°	1086	1136	1200	1254	1268	837
55°	826	894	976	1036	1058	740
65°	559	634	730	798	819	554
75°	292	370	477	552	577	308
85°	64	153	260	331	356	74
90°	0	86	182	249	274	4
95°	0	82	174	239	264	0
105°	0	68	164	224	246	2
115°	4	61	139	200	224	4
125°	4	50	118	171	192	3
135°	4	39	96	139	157	3
145°	4	28	68	107	118	2
155°	4	18	43	68	78	2
165°	4	11	21	32	39	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1727.5	1727.5	1727.5	1727.5	1727.5
2.5°	1738.2	1734.7	1716.9	1731.1	1724.0
5°	1734.7	1731.1	1713.3	1727.5	1724.0
7.5°	1720.4	1720.4	1709.7	1724.0	1720.4
10°	1706.2	1706.2	1695.5	1713.3	1709.7
12.5°	1684.8	1688.4	1681.2	1702.6	1699.1
15°	1659.9	1667.0	1663.4	1684.8	1684.8
17.5°	1631.4	1638.5	1638.5	1663.4	1663.4
20°	1595.8	1606.4	1613.6	1642.1	1642.1
22.5°	1560.1	1574.4	1585.1	1610.0	1620.7
25°	1517.4	1535.2	1553.0	1585.1	1585.1
27.5°	1474.7	1496.0	1517.4	1549.5	1553.0
30°	1424.8	1449.7	1478.2	1510.3	1517.4
32.5°	1374.9	1407.0	1435.5	1474.7	1485.3
35°	1321.5	1353.5	1392.7	1431.9	1442.6
37.5°	1260.9	1300.1	1350.0	1392.7	1403.4
40°	1207.5	1250.2	1300.1	1350.0	1360.7
42.5°	1147.0	1193.3	1253.8	1300.1	1317.9
45°	1086.4	1136.3	1200.4	1253.8	1268.1
47.5°	1022.3	1079.3	1150.5	1200.4	1218.2
50°	958.2	1018.7	1093.5	1150.5	1164.8
52.5°	894.1	958.2	1036.5	1093.5	1111.3
55°	826.4	894.1	976.0	1036.5	1057.9
57.5°	762.3	829.9	915.4	979.5	1000.9
60°	691.0	769.4	854.9	919.0	943.9
62.5°	630.5	701.7	794.3	858.4	879.8
65°	559.2	634.0	730.2	797.9	819.3
67.5°	491.6	569.9	666.1	737.3	758.7
70°	423.9	502.2	605.5	673.2	698.1
72.5°	356.2	438.1	537.9	612.7	637.6
75°	292.1	370.4	477.3	552.1	577.0
77.5°	224.4	309.9	416.7	491.6	520.0
80°	163.9	252.9	359.8	434.6	463.1
82.5°	110.4	199.5	306.3	381.1	409.6
85°	64.1	153.2	260.0	331.3	356.2
87.5°	32.1	117.5	217.3	288.5	313.5
90°	0.0	85.5	181.7	249.3	274.3
92.5°	0.0	81.9	178.1	242.2	267.1
95°	0.0	81.9	174.5	238.7	263.6
97.5°	0.0	78.4	171.0	238.7	260.0
100°	0.0	74.8	171.0	235.1	256.5
102.5°	0.0	71.2	167.4	231.5	252.9
105°	0.0	67.7	163.9	224.4	245.8
107.5°	3.6	67.7	156.7	220.8	242.2
110°	3.6	64.1	149.6	217.3	238.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	60.6	142.5	210.2	231.5
115°	3.6	60.6	138.9	199.5	224.4
117.5°	3.6	57.0	131.8	192.3	217.3
120°	3.6	57.0	128.2	185.2	206.6
122.5°	3.6	53.4	121.1	178.1	199.5
125°	3.6	49.9	117.5	171.0	192.3
127.5°	3.6	46.3	114.0	163.9	185.2
130°	3.6	42.7	106.9	156.7	174.5
132.5°	3.6	42.7	103.3	146.0	167.4
135°	3.6	39.2	96.2	138.9	156.7
137.5°	3.6	35.6	89.0	131.8	149.6
140°	3.6	32.1	81.9	124.7	138.9
142.5°	3.6	32.1	74.8	114.0	128.2
145°	3.6	28.5	67.7	106.9	117.5
147.5°	3.6	24.9	60.6	96.2	106.9
150°	3.6	24.9	53.4	85.5	96.2
152.5°	3.6	21.4	46.3	78.4	89.0
155°	3.6	17.8	42.7	67.7	78.4
157.5°	3.6	17.8	35.6	57.0	67.7
160°	3.6	14.2	32.1	46.3	57.0
162.5°	3.6	14.2	28.5	39.2	49.9
165°	3.6	10.7	21.4	32.1	39.2
167.5°	3.6	10.7	17.8	24.9	32.1
170°	3.6	7.1	14.2	17.8	24.9
172.5°	3.6	7.1	10.7	10.7	10.7
175°	3.6	3.6	7.1	7.1	3.6
177.5°	3.6	3.6	3.6	3.6	3.6
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)