

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: P567941

Luminaire Tested: **8SNX-66SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-66SL-LN-UNV-L850-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

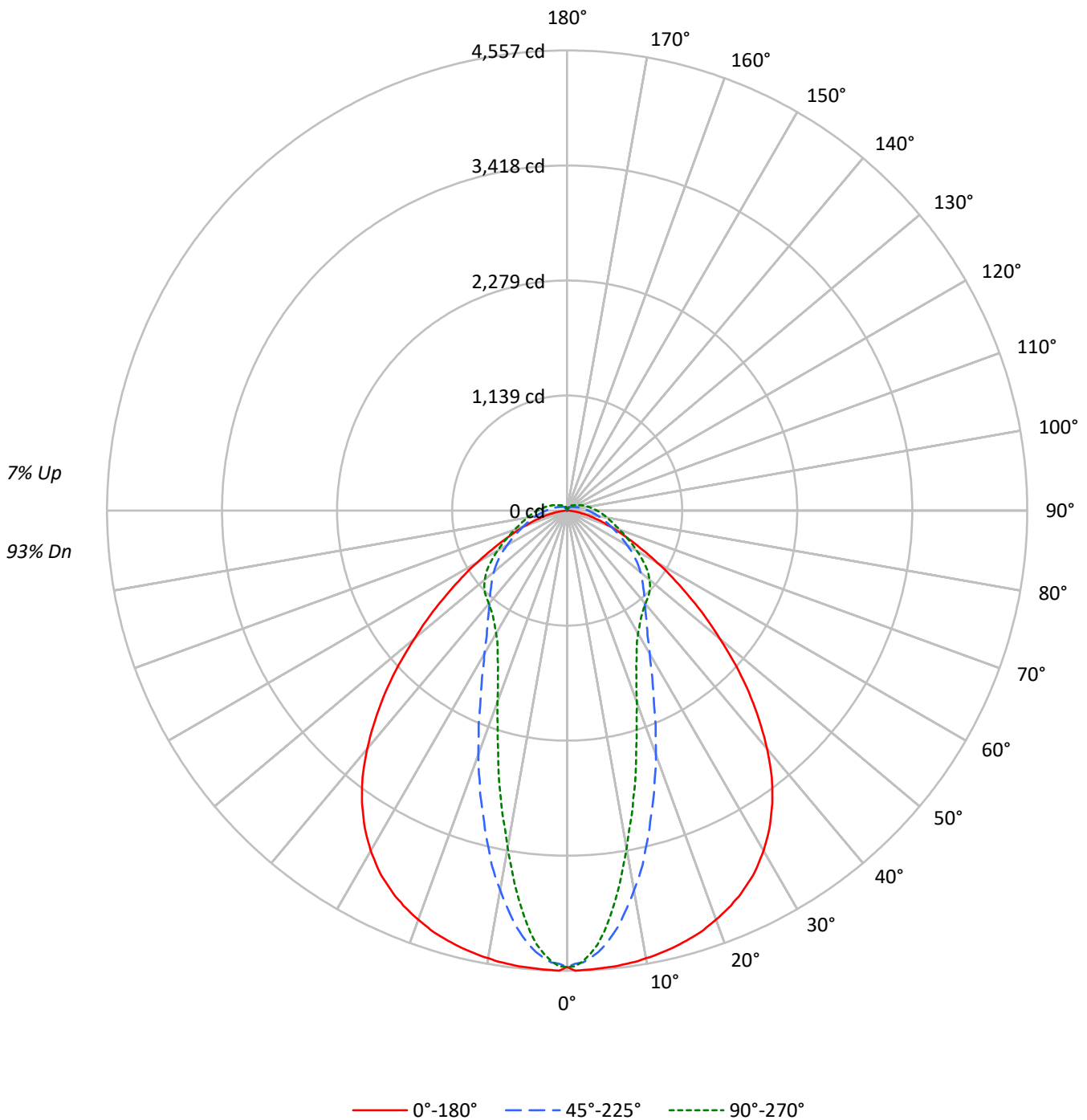
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7204.1 lumens
Efficiency: N/A
Efficacy: 170.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: 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

TEST NUMBER: P567941
CATALOG NUMBER: 8SNX-66SL-LN-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567941

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L850-CD

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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24323	24323	24323
5°	24493	22383	21393
10°	24505	19213	16598
15°	24539	15690	12440
20°	24508	12512	9310
25°	24336	9814	7388
30°	23880	7951	6302
35°	22933	6736	5733
40°	21273	5954	5426
45°	18973	5453	5259
50°	16132	5024	4968
55°	13314	4558	4537
60°	10708	4015	3979
65°	8376	3531	3463
70°	6574	3129	3063
75°	5173	2817	2791
80°	3767	2585	2594
85°	2259	2418	2488



TEST NUMBER: P567941

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.2	5.6
10°-20°	938.1	13.0
20°-30°	1113.5	15.5
30°-40°	1120.3	15.6
40°-50°	1041.4	14.5
50°-60°	857.5	11.9
60°-70°	604.2	8.4
70°-80°	394.8	5.5
80°-90°	252.0	3.5
90°-100°	165.3	2.3
100°-110°	112.2	1.6
110°-120°	76.9	1.1
120°-130°	53.2	0.7
130°-140°	35.8	0.5
140°-150°	22.1	0.3
150°-160°	11.5	0.2
160°-170°	4.1	0.1
170°-180°	0.7	0.0
0°-30°	2451.9	34.0
0°-40°	3572.2	49.6
0°-60°	5471.1	75.9
0°-90°	6722.2	93.3
90°-120°	354.4	4.9
90°-150°	465.5	6.5
90°-180°	482.0	6.7
0°-180°	7204.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4519	4519	4519	4519	4519	
5°	4542	4482	4319	4236	4191	432
15°	4429	3957	3183	2783	2632	1251
25°	4138	3058	2027	1703	1631	1904
35°	3541	2069	1374	1287	1280	2202
45°	2545	1363	1065	1121	1152	1954
55°	1461	895	823	914	944	1320
65°	687	540	566	638	661	697
75°	268	279	381	449	468	290
85°	45	128	257	332	347	57
90°	0	87	208	283	294	3
95°	0	64	174	238	249	0
105°	0	45	117	166	181	0
115°	4	38	83	121	128	3
125°	4	30	68	87	94	3
135°	4	26	53	68	72	3
145°	4	19	38	53	57	2
155°	4	15	26	38	42	2
165°	4	8	15	19	23	1
175°	8	8	8	8	4	0
180°	4	4	4	4	4	



TEST NUMBER: P567941

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4519.3	4519.3	4519.3	4519.3	4519.3
1°	4557.0	4538.2	4489.1	4523.1	4515.5
2°	4553.3	4534.4	4477.8	4492.9	4466.4
3°	4549.5	4523.1	4436.2	4432.4	4394.7
4°	4545.7	4504.2	4383.4	4338.1	4307.9
5°	4541.9	4481.5	4319.2	4236.1	4190.8
6°	4538.2	4455.1	4236.1	4111.5	4047.3
7°	4530.6	4413.6	4149.3	3979.4	3896.3
8°	4523.1	4375.8	4039.8	3835.9	3734.0
9°	4515.5	4326.7	3930.3	3681.1	3560.3
10°	4500.4	4277.7	3817.0	3522.6	3394.2
11°	4492.9	4221.0	3707.6	3371.5	3220.5
12°	4477.8	4160.6	3590.5	3213.0	3080.8
13°	4462.7	4096.4	3447.0	3077.0	2918.5
14°	4447.6	4028.5	3322.4	2926.0	2778.8
15°	4428.7	3956.7	3182.8	2782.6	2631.5
16°	4409.8	3873.7	3058.2	2635.3	2476.7
17°	4390.9	3794.4	2941.1	2499.4	2355.9
18°	4368.3	3715.1	2805.2	2367.2	2227.6
19°	4338.1	3624.5	2695.7	2246.4	2118.1
20°	4311.6	3541.4	2571.1	2133.2	2019.9
21°	4281.4	3439.5	2446.5	2027.4	1914.2
22.5°	4236.1	3296.0	2288.0	1895.3	1789.6
23°	4213.5	3254.5	2223.8	1846.2	1755.6
24°	4183.3	3145.0	2118.1	1770.7	1680.1
25°	4138.0	3058.2	2027.4	1702.8	1631.0
26°	4096.4	2952.4	1936.8	1642.3	1570.6
27°	4054.9	2850.5	1857.6	1578.2	1517.8
28°	4002.0	2744.8	1770.7	1525.3	1472.4
29°	3945.4	2646.6	1699.0	1480.0	1438.5
30°	3888.8	2537.1	1638.6	1438.5	1404.5
32.5°	3730.2	2295.5	1483.8	1359.2	1336.5
35°	3541.4	2069.0	1374.3	1287.4	1279.9
37.5°	3330.0	1861.3	1276.1	1230.8	1238.4
40°	3080.8	1672.6	1193.1	1189.3	1204.4
42.5°	2816.5	1510.2	1128.9	1155.3	1178.0
45°	2544.7	1363.0	1064.7	1121.3	1151.5
47.5°	2261.5	1234.6	1008.1	1079.8	1113.8
50°	1974.6	1110.0	947.7	1030.7	1064.7
52.5°	1717.9	1000.5	887.2	974.1	1011.8
55°	1461.1	894.8	823.1	913.7	943.9
57.5°	1238.4	796.6	755.1	845.7	868.4
60°	1030.7	702.2	687.1	770.2	796.6
62.5°	841.9	619.2	623.0	702.2	728.7
65°	687.1	539.9	566.3	638.1	660.7



TEST NUMBER: P567941

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	558.8	464.4	509.7	585.2	604.1
70°	441.7	396.4	464.4	532.3	551.2
72.5°	351.1	336.0	419.1	490.8	505.9
75°	268.1	279.4	381.3	449.3	468.2
77.5°	192.6	234.1	343.6	415.3	430.4
80°	135.9	192.6	313.4	385.1	400.2
82.5°	86.8	158.6	283.2	358.7	373.8
85°	45.3	128.4	256.7	332.2	347.3
87.5°	18.9	105.7	230.3	305.8	320.9
90°	0.0	86.8	207.7	283.2	294.5
92.5°	0.0	75.5	188.8	260.5	271.8
95°	0.0	64.2	173.7	237.9	249.2
97.5°	0.0	60.4	154.8	219.0	230.3
100°	0.0	52.9	139.7	200.1	215.2
102.5°	0.0	49.1	128.4	181.2	196.3
105°	0.0	45.3	117.0	166.1	181.2
107.5°	0.0	41.5	109.5	154.8	166.1
110°	0.0	41.5	98.2	143.5	154.8
112.5°	3.8	37.8	90.6	128.4	139.7
115°	3.8	37.8	83.1	120.8	128.4
117.5°	3.8	37.8	79.3	109.5	117.0
120°	3.8	34.0	75.5	101.9	109.5
122.5°	3.8	34.0	71.7	94.4	98.2
125°	3.8	30.2	68.0	86.8	94.4
127.5°	3.8	30.2	64.2	83.1	86.8
130°	3.8	30.2	60.4	75.5	83.1
132.5°	3.8	26.4	56.6	71.7	75.5
135°	3.8	26.4	52.9	68.0	71.7
137.5°	3.8	22.7	49.1	64.2	68.0
140°	3.8	22.7	45.3	60.4	64.2
142.5°	3.8	18.9	41.5	56.6	60.4
145°	3.8	18.9	37.8	52.9	56.6
147.5°	3.8	18.9	34.0	49.1	52.9
150°	3.8	15.1	30.2	45.3	49.1
152.5°	3.8	15.1	26.4	41.5	45.3
155°	3.8	15.1	26.4	37.8	41.5
157.5°	3.8	11.3	22.7	30.2	37.8
160°	3.8	11.3	18.9	26.4	34.0
162.5°	3.8	11.3	18.9	22.7	26.4
165°	3.8	7.6	15.1	18.9	22.7
167.5°	3.8	7.6	11.3	15.1	18.9
170°	3.8	7.6	11.3	11.3	15.1
172.5°	3.8	7.6	7.6	7.6	7.6
175°	7.6	7.6	7.6	7.6	3.8
177.5°	7.6	7.6	7.6	3.8	3.8



TEST NUMBER: P567941

CATALOG NUMBER: 8SNX-66SL-LN-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)