

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: P567933

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567933
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-66SL-LC-UNV-L850-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

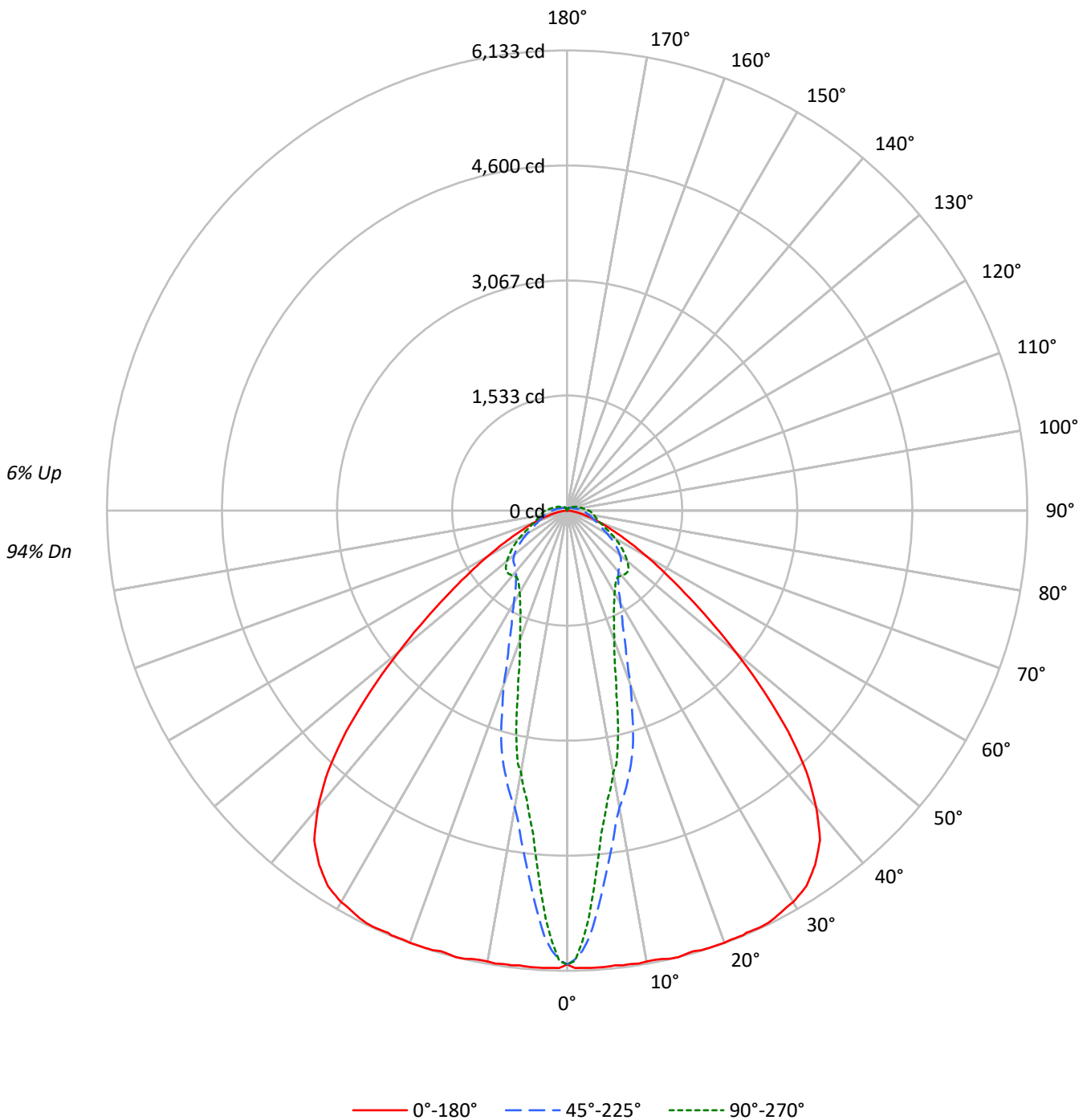
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7456.0 lumens
Efficiency: N/A
Efficacy: 176.7 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
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 (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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32554	32554	32554
5°	32907	26771	23933
10°	33226	20233	17321
15°	33896	16557	11994
20°	34838	11993	8471
25°	36001	8601	6664
30°	37002	6879	5676
35°	37314	5825	5083
40°	35671	5300	5096
45°	31053	5127	5235
50°	23913	4882	4885
55°	17409	4274	4335
60°	12703	3573	3665
65°	9316	3026	3004
70°	6939	2677	2591
75°	5013	2484	2414
80°	3390	2333	2378
85°	1716	2231	2381



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.7	6.4
10°-20°	1033.0	13.9
20°-30°	1182.4	15.9
30°-40°	1184.5	15.9
40°-50°	1121.3	15.0
50°-60°	859.9	11.5
60°-70°	554.3	7.4
70°-80°	353.5	4.7
80°-90°	234.7	3.1
90°-100°	157.8	2.1
100°-110°	104.0	1.4
110°-120°	72.3	1.0
120°-130°	50.4	0.7
130°-140°	35.0	0.5
140°-150°	21.4	0.3
150°-160°	10.9	0.1
160°-170°	4.2	0.1
170°-180°	0.8	0.0
0°-30°	2691.0	36.1
0°-40°	3875.5	52.0
0°-60°	5856.7	78.6
0°-90°	6999.2	93.9
90°-120°	334.1	4.5
90°-150°	441.0	5.9
90°-180°	457.0	6.1
0°-180°	7456.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6049	6049	6049	6049	6049	
5°	6102	5766	5166	4818	4688	583
15°	6117	4406	3359	2759	2537	1735
25°	6121	3118	1777	1544	1471	2822
35°	5762	1735	1188	1150	1135	3575
45°	4165	1097	1001	1108	1146	3167
55°	1910	783	772	867	902	1757
65°	764	493	485	554	573	786
75°	260	268	336	386	405	286
85°	34	122	237	310	332	47
90°	0	84	199	275	287	2
95°	0	61	164	225	237	0
105°	0	46	107	153	164	3
115°	4	38	80	111	118	4
125°	4	34	69	80	84	3
135°	4	27	54	65	69	3
145°	4	19	38	50	54	2
155°	4	12	23	34	38	2
165°	8	8	15	19	23	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6048.7	6048.7	6048.7	6048.7	6048.7
1°	6098.3	6064.0	5983.7	6006.6	6002.8
2°	6098.3	6025.7	5869.1	5823.2	5754.5
3°	6102.2	5960.8	5693.3	5544.3	5448.8
4°	6102.2	5865.3	5433.5	5185.1	5062.8
5°	6102.2	5765.9	5166.0	4818.3	4688.4
6°	6094.5	5647.5	4894.7	4527.9	4333.0
7°	6106.0	5517.5	4650.2	4256.6	4103.8
8°	6102.2	5364.7	4424.7	4050.3	3882.2
9°	6113.6	5215.7	4180.2	3855.4	3729.3
10°	6102.2	5078.1	4019.7	3672.0	3542.1
11°	6102.2	4944.4	3905.1	3553.5	3442.7
12°	6109.8	4791.6	3779.0	3385.4	3232.6
13°	6128.9	4634.9	3633.8	3202.0	3022.4
14°	6132.7	4516.4	3500.1	2968.9	2781.7
15°	6117.4	4405.6	3358.7	2758.8	2537.2
16°	6109.8	4291.0	3190.5	2560.1	2361.4
17°	6125.1	4157.3	2999.5	2357.6	2174.2
18°	6128.9	4035.0	2797.0	2204.7	2044.2
19°	6128.9	3939.5	2632.7	2063.3	1925.8
20°	6128.9	3847.8	2464.6	1956.4	1837.9
21°	6121.3	3733.1	2273.5	1845.6	1746.2
22.5°	6125.1	3519.2	2055.7	1715.6	1635.4
23°	6113.6	3465.7	2002.2	1681.2	1597.2
24°	6117.4	3312.8	1887.6	1612.5	1532.2
25°	6121.3	3117.9	1776.8	1543.7	1471.1
26°	6113.6	2961.3	1685.1	1478.7	1429.1
27°	6094.5	2835.2	1620.1	1425.2	1379.4
28°	6067.8	2667.1	1551.3	1379.4	1337.4
29°	6041.0	2476.0	1482.6	1329.7	1299.1
30°	6025.7	2323.2	1417.6	1291.5	1264.8
32.5°	5934.0	2021.3	1283.9	1215.1	1192.2
35°	5762.1	1734.7	1188.3	1150.1	1134.8
37.5°	5536.7	1513.1	1115.7	1108.1	1111.9
40°	5166.0	1337.4	1062.2	1096.6	1131.0
42.5°	4722.8	1199.8	1024.0	1108.1	1146.3
45°	4164.9	1096.6	1001.1	1108.1	1146.3
47.5°	3545.9	1012.6	974.4	1069.9	1108.1
50°	2926.9	936.1	920.9	1012.6	1047.0
52.5°	2380.5	863.5	852.1	940.0	974.4
55°	1910.5	783.3	771.8	867.4	901.8
57.5°	1532.2	706.9	695.4	783.3	817.7
60°	1222.7	630.5	611.4	699.2	733.6
62.5°	974.4	557.9	546.4	622.8	653.4
65°	764.2	492.9	485.3	554.0	573.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	603.7	431.8	435.6	492.9	515.8
70°	466.2	374.5	397.4	450.9	466.2
72.5°	351.5	317.1	366.8	412.7	431.8
75°	259.8	267.5	336.2	385.9	405.0
77.5°	179.6	221.6	309.5	363.0	382.1
80°	122.3	179.6	282.8	343.9	366.8
82.5°	72.6	149.0	259.8	324.8	351.5
85°	34.4	122.3	236.9	309.5	332.4
87.5°	11.5	99.3	214.0	294.2	313.3
90°	0.0	84.1	198.7	275.1	286.6
92.5°	0.0	72.6	179.6	252.2	259.8
95°	0.0	61.1	164.3	225.4	236.9
97.5°	0.0	57.3	152.8	202.5	217.8
100°	0.0	53.5	137.6	183.4	198.7
102.5°	0.0	45.9	122.3	164.3	179.6
105°	0.0	45.9	107.0	152.8	164.3
107.5°	3.8	42.0	99.3	137.6	152.8
110°	3.8	42.0	87.9	129.9	141.4
112.5°	3.8	42.0	84.1	118.5	133.7
115°	3.8	38.2	80.2	110.8	118.5
117.5°	3.8	38.2	76.4	99.3	107.0
120°	3.8	34.4	72.6	91.7	95.5
122.5°	3.8	34.4	68.8	84.1	87.9
125°	3.8	34.4	68.8	80.2	84.1
127.5°	3.8	30.6	65.0	76.4	76.4
130°	3.8	30.6	61.1	72.6	72.6
132.5°	3.8	26.7	57.3	68.8	72.6
135°	3.8	26.7	53.5	65.0	68.8
137.5°	3.8	22.9	49.7	61.1	65.0
140°	3.8	22.9	45.9	57.3	61.1
142.5°	3.8	19.1	42.0	53.5	57.3
145°	3.8	19.1	38.2	49.7	53.5
147.5°	3.8	19.1	34.4	45.9	49.7
150°	3.8	15.3	30.6	42.0	45.9
152.5°	3.8	15.3	26.7	38.2	42.0
155°	3.8	11.5	22.9	34.4	38.2
157.5°	3.8	11.5	22.9	30.6	34.4
160°	7.6	11.5	19.1	26.7	30.6
162.5°	3.8	7.6	19.1	22.9	26.7
165°	7.6	7.6	15.3	19.1	22.9
167.5°	7.6	7.6	11.5	15.3	19.1
170°	7.6	7.6	11.5	11.5	15.3
172.5°	7.6	7.6	7.6	11.5	7.6
175°	7.6	7.6	7.6	7.6	3.8
177.5°	7.6	7.6	7.6	7.6	3.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.6	7.6	7.6	7.6	7.6

(END OF REPORT)