

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: P567937

Luminaire Tested: **8SNX-66SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567937
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-L950-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

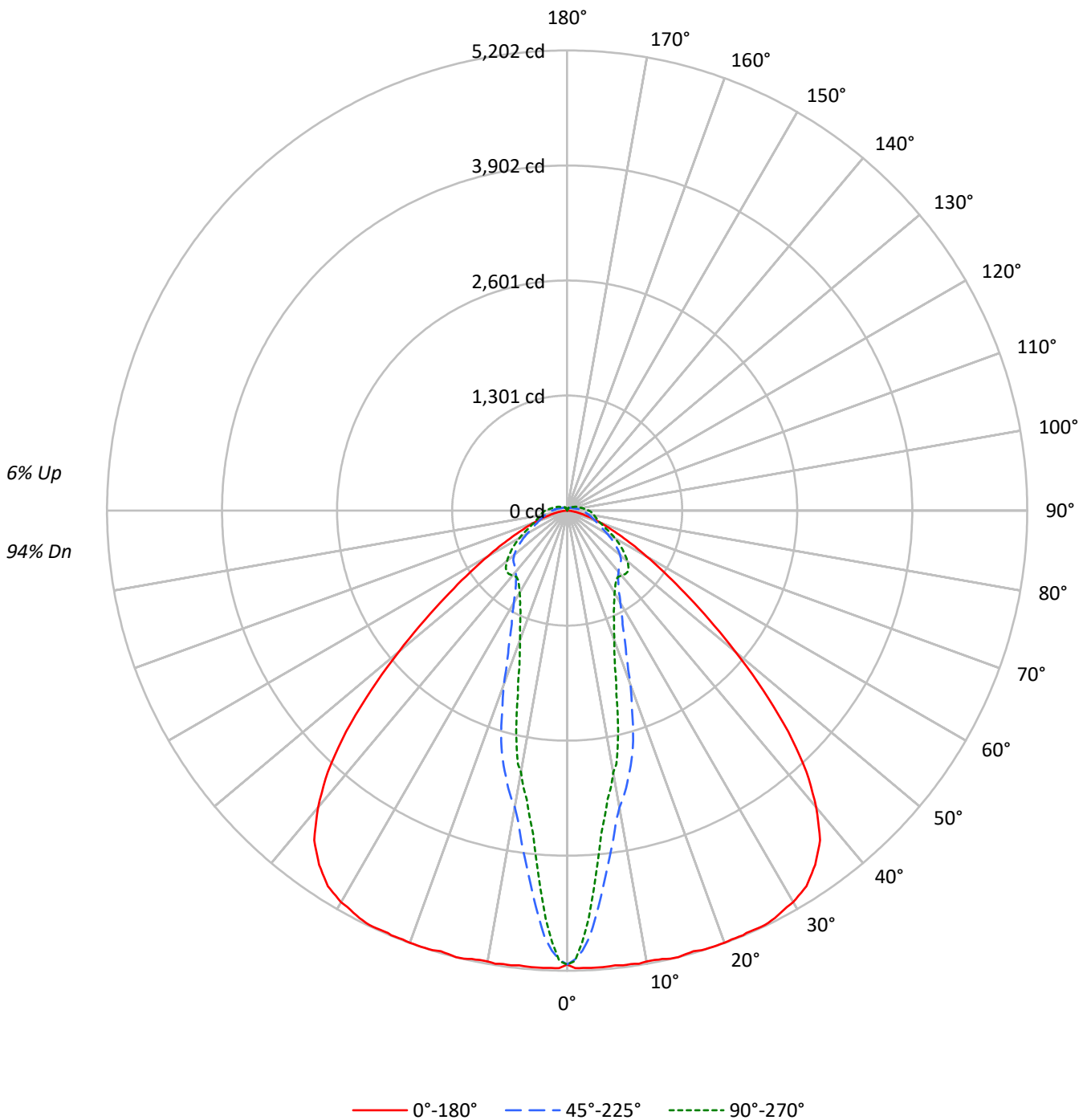
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6325.0 lumens
Efficiency: N/A
Efficacy: 149.9 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 (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	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°	27615	27615	27615
5°	27915	22710	20303
10°	28186	17164	14694
15°	28754	14046	10175
20°	29554	10174	7186
25°	30539	7297	5653
30°	31389	5836	4814
35°	31653	4941	4312
40°	30260	4497	4323
45°	26342	4349	4441
50°	20285	4141	4144
55°	14768	3626	3677
60°	10777	3030	3109
65°	7903	2567	2548
70°	5887	2271	2198
75°	4252	2107	2048
80°	2874	1979	2017
85°	1456	1893	2020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.5	6.4
10°-20°	876.3	13.9
20°-30°	1003.0	15.9
30°-40°	1004.8	15.9
40°-50°	951.2	15.0
50°-60°	729.5	11.5
60°-70°	470.2	7.4
70°-80°	299.8	4.7
80°-90°	199.1	3.1
90°-100°	133.8	2.1
100°-110°	88.2	1.4
110°-120°	61.3	1.0
120°-130°	42.8	0.7
130°-140°	29.7	0.5
140°-150°	18.2	0.3
150°-160°	9.2	0.1
160°-170°	3.6	0.1
170°-180°	0.7	0.0
0°-30°	2282.8	36.1
0°-40°	3287.6	52.0
0°-60°	4968.3	78.6
0°-90°	5937.5	93.9
90°-120°	283.4	4.5
90°-150°	374.1	5.9
90°-180°	388.0	6.1
0°-180°	6325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5131	5131	5131	5131	5131	
5°	5176	4891	4382	4087	3977	494
15°	5190	3737	2849	2340	2152	1472
25°	5193	2645	1507	1310	1248	2394
35°	4888	1472	1008	976	963	3033
45°	3533	930	849	940	972	2686
55°	1621	664	655	736	765	1490
65°	648	418	412	470	486	667
75°	220	227	285	327	344	242
85°	29	104	201	263	282	40
90°	0	71	169	233	243	1
95°	0	52	139	191	201	0
105°	0	39	91	130	139	2
115°	3	32	68	94	100	3
125°	3	29	58	68	71	3
135°	3	23	45	55	58	2
145°	3	16	32	42	45	2
155°	3	10	19	29	32	2
165°	6	6	13	16	19	2
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5131.1	5131.1	5131.1	5131.1	5131.1
1°	5173.3	5144.1	5076.0	5095.5	5092.3
2°	5173.3	5111.7	4978.8	4939.9	4881.6
3°	5176.5	5056.6	4829.7	4703.3	4622.2
4°	5176.5	4975.6	4609.3	4398.6	4294.9
5°	5176.5	4891.3	4382.4	4087.4	3977.2
6°	5170.0	4790.8	4152.2	3841.1	3675.8
7°	5179.8	4680.6	3944.8	3610.9	3481.3
8°	5176.5	4550.9	3753.5	3435.9	3293.3
9°	5186.3	4424.5	3546.1	3270.6	3163.6
10°	5176.5	4307.8	3410.0	3115.0	3004.8
11°	5176.5	4194.4	3312.7	3014.5	2920.5
12°	5183.0	4064.7	3205.8	2871.9	2742.2
13°	5199.2	3931.8	3082.6	2716.3	2564.0
14°	5202.5	3831.3	2969.1	2518.6	2359.7
15°	5189.5	3737.3	2849.2	2340.3	2152.3
16°	5183.0	3640.1	2706.6	2171.7	2003.2
17°	5196.0	3526.7	2544.5	1999.9	1844.4
18°	5199.2	3422.9	2372.7	1870.3	1734.2
19°	5199.2	3341.9	2233.3	1750.4	1633.7
20°	5199.2	3264.1	2090.7	1659.6	1559.1
21°	5192.7	3166.9	1928.6	1565.6	1481.3
22.5°	5196.0	2985.3	1743.9	1455.4	1387.3
23°	5186.3	2940.0	1698.5	1426.2	1354.9
24°	5189.5	2810.3	1601.3	1367.9	1299.8
25°	5192.7	2645.0	1507.3	1309.5	1247.9
26°	5186.3	2512.1	1429.5	1254.4	1212.3
27°	5170.0	2405.1	1374.4	1209.0	1170.1
28°	5147.4	2262.5	1316.0	1170.1	1134.5
29°	5124.7	2100.4	1257.7	1128.0	1102.1
30°	5111.7	1970.8	1202.6	1095.6	1072.9
32.5°	5033.9	1714.7	1089.1	1030.8	1011.3
35°	4888.0	1471.6	1008.1	975.7	962.7
37.5°	4696.8	1283.6	946.5	940.0	943.2
40°	4382.4	1134.5	901.1	930.3	959.5
42.5°	4006.4	1017.8	868.7	940.0	972.4
45°	3533.1	930.3	849.2	940.0	972.4
47.5°	3008.0	859.0	826.6	907.6	940.0
50°	2482.9	794.1	781.2	859.0	888.1
52.5°	2019.4	732.6	722.8	797.4	826.6
55°	1620.7	664.5	654.8	735.8	765.0
57.5°	1299.8	599.7	589.9	664.5	693.7
60°	1037.3	534.8	518.6	593.2	622.4
62.5°	826.6	473.2	463.5	528.3	554.3
65°	648.3	418.1	411.7	470.0	486.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	512.1	366.3	369.5	418.1	437.6
70°	395.5	317.7	337.1	382.5	395.5
72.5°	298.2	269.0	311.2	350.1	366.3
75°	220.4	226.9	285.2	327.4	343.6
77.5°	152.3	188.0	262.6	307.9	324.1
80°	103.7	152.3	239.9	291.7	311.2
82.5°	61.6	126.4	220.4	275.5	298.2
85°	29.2	103.7	201.0	262.6	282.0
87.5°	9.7	84.3	181.5	249.6	265.8
90°	0.0	71.3	168.6	233.4	243.1
92.5°	0.0	61.6	152.3	213.9	220.4
95°	0.0	51.9	139.4	191.2	201.0
97.5°	0.0	48.6	129.7	171.8	184.8
100°	0.0	45.4	116.7	155.6	168.6
102.5°	0.0	38.9	103.7	139.4	152.3
105°	0.0	38.9	90.8	129.7	139.4
107.5°	3.2	35.7	84.3	116.7	129.7
110°	3.2	35.7	74.6	110.2	119.9
112.5°	3.2	35.7	71.3	100.5	113.4
115°	3.2	32.4	68.1	94.0	100.5
117.5°	3.2	32.4	64.8	84.3	90.8
120°	3.2	29.2	61.6	77.8	81.0
122.5°	3.2	29.2	58.3	71.3	74.6
125°	3.2	29.2	58.3	68.1	71.3
127.5°	3.2	25.9	55.1	64.8	64.8
130°	3.2	25.9	51.9	61.6	61.6
132.5°	3.2	22.7	48.6	58.3	61.6
135°	3.2	22.7	45.4	55.1	58.3
137.5°	3.2	19.4	42.1	51.9	55.1
140°	3.2	19.4	38.9	48.6	51.9
142.5°	3.2	16.2	35.7	45.4	48.6
145°	3.2	16.2	32.4	42.1	45.4
147.5°	3.2	16.2	29.2	38.9	42.1
150°	3.2	13.0	25.9	35.7	38.9
152.5°	3.2	13.0	22.7	32.4	35.7
155°	3.2	9.7	19.4	29.2	32.4
157.5°	3.2	9.7	19.4	25.9	29.2
160°	6.5	9.7	16.2	22.7	25.9
162.5°	3.2	6.5	16.2	19.4	22.7
165°	6.5	6.5	13.0	16.2	19.4
167.5°	6.5	6.5	9.7	13.0	16.2
170°	6.5	6.5	9.7	9.7	13.0
172.5°	6.5	6.5	6.5	9.7	6.5
175°	6.5	6.5	6.5	6.5	3.2
177.5°	6.5	6.5	6.5	6.5	3.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.5	6.5	6.5	6.5	6.5

(END OF REPORT)