

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: P567965

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-66SL-UNV-L850-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

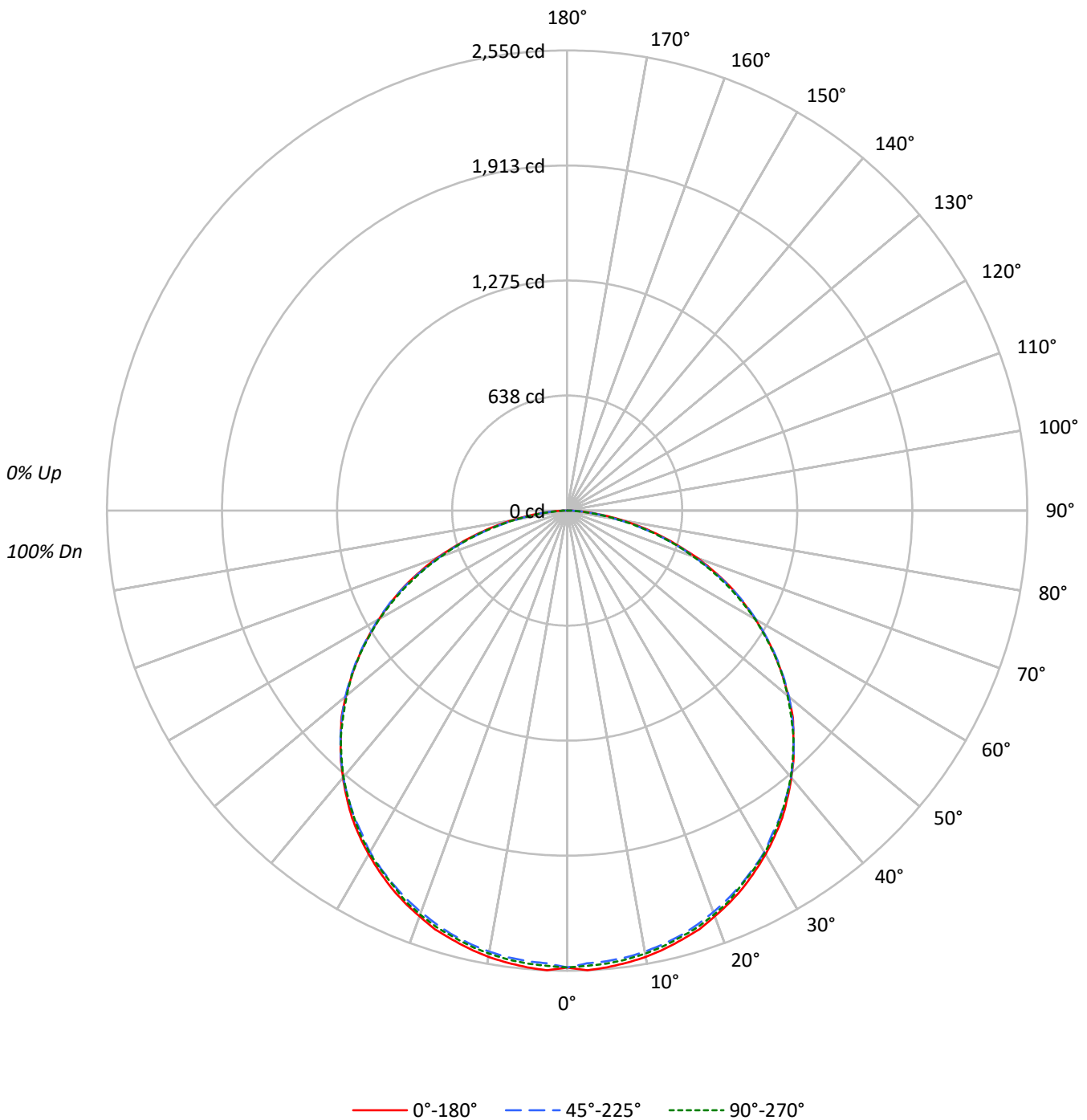
Lumens per Lamp: N/A
Luminaire Lumens: 7570.0 lumens
Efficiency: N/A
Efficacy: 179.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13626	13626	13626
5°	13727	13542	13617
10°	13724	13562	13625
15°	13713	13574	13625
20°	13705	13562	13640
25°	13696	13561	13588
30°	13668	13583	13612
35°	13657	13553	13567
40°	13581	13564	13548
45°	13499	13517	13499
50°	13402	13439	13344
55°	13224	13267	13203
60°	12964	13014	12939
65°	12699	12613	12438
70°	12074	11822	11679
75°	11031	10653	10701
80°	9527	8821	9031
85°	7169	6891	6187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.2	3.2
10°-20°	692.1	9.1
20°-30°	1058.9	14.0
30°-40°	1294.7	17.1
40°-50°	1369.6	18.1
50°-60°	1261.9	16.7
60°-70°	972.4	12.8
70°-80°	544.8	7.2
80°-90°	135.4	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1991.2	26.3
0°-40°	3285.9	43.4
0°-60°	5917.4	78.2
0°-90°	7570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7570.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2532	2532	2532	2532	2532	
5°	2541	2532	2507	2532	2520	242
15°	2461	2457	2436	2457	2445	695
25°	2306	2302	2284	2302	2288	1063
35°	2079	2074	2063	2070	2065	1299
45°	1774	1780	1776	1774	1774	1370
55°	1409	1421	1414	1414	1407	1258
65°	997	997	990	965	977	981
75°	530	524	512	494	515	562
85°	116	109	112	112	100	143
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2531.8	2531.8	2531.8	2531.8	2531.8
2.5°	2550.0	2538.6	2511.3	2536.3	2525.0
5°	2540.9	2531.8	2506.7	2531.8	2520.4
7.5°	2527.2	2520.4	2497.6	2520.4	2509.0
10°	2511.3	2504.5	2481.7	2504.5	2493.1
12.5°	2488.5	2484.0	2461.2	2484.0	2472.6
15°	2461.2	2456.6	2436.2	2456.6	2445.3
17.5°	2433.9	2424.8	2404.3	2427.0	2417.9
20°	2392.9	2388.3	2367.9	2388.3	2381.5
22.5°	2351.9	2347.4	2329.1	2347.4	2342.8
25°	2306.4	2301.8	2283.6	2301.8	2288.2
27.5°	2254.0	2256.3	2235.8	2247.2	2240.4
30°	2199.4	2199.4	2185.7	2190.3	2190.3
32.5°	2140.2	2140.2	2119.7	2133.3	2131.1
35°	2078.7	2074.1	2062.8	2069.6	2065.0
37.5°	2005.8	2003.6	1996.7	2001.3	1996.7
40°	1933.0	1935.3	1930.7	1928.4	1928.4
42.5°	1857.9	1862.4	1855.6	1853.3	1851.0
45°	1773.6	1780.4	1775.9	1773.6	1773.6
47.5°	1696.2	1698.5	1691.6	1689.4	1682.5
50°	1600.6	1609.7	1605.1	1600.6	1593.7
52.5°	1505.0	1518.6	1509.5	1505.0	1505.0
55°	1409.3	1420.7	1413.9	1413.9	1407.1
57.5°	1309.1	1320.5	1311.4	1311.4	1302.3
60°	1204.4	1215.8	1209.0	1202.1	1202.1
62.5°	1099.7	1108.8	1106.5	1095.1	1088.3
65°	997.2	997.2	990.4	965.4	976.7
67.5°	881.1	878.8	869.7	844.7	860.6
70°	767.3	767.3	751.3	721.7	742.2
72.5°	644.3	651.2	630.7	610.2	630.7
75°	530.5	523.7	512.3	494.1	514.6
77.5°	421.2	409.8	396.2	387.1	398.4
80°	307.4	300.5	284.6	284.6	291.4
82.5°	209.5	202.6	191.2	193.5	184.4
85°	116.1	109.3	111.6	111.6	100.2
87.5°	47.8	47.8	47.8	43.3	38.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)