

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: P567964

Luminaire Tested: **8SNX-66SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567964
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-L840-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

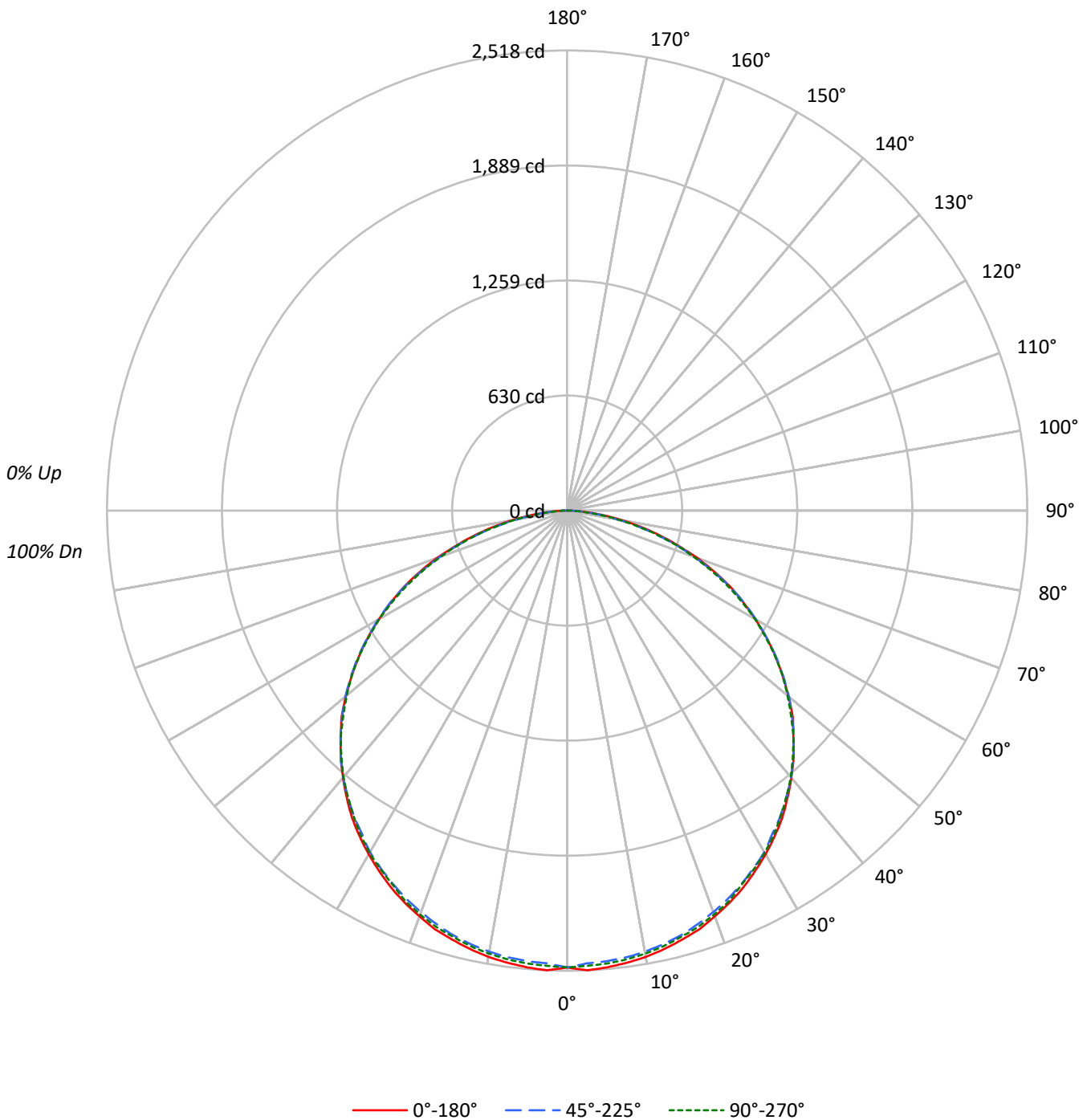
Lumens per Lamp: N/A
Luminaire Lumens: 7475.0 lumens
Efficiency: N/A
Efficacy: 177.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 42.2
Input Voltage (V): NR
Input Current (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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13455	13455	13455
5°	13555	13373	13446
10°	13552	13392	13454
15°	13541	13404	13454
20°	13533	13391	13468
25°	13524	13391	13417
30°	13497	13413	13441
35°	13486	13383	13397
40°	13410	13394	13378
45°	13330	13347	13330
50°	13233	13271	13176
55°	13058	13100	13037
60°	12802	12850	12778
65°	12540	12455	12283
70°	11921	11674	11533
75°	10892	10518	10566
80°	9407	8709	8920
85°	7083	6805	6107



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.2	3.2
10°-20°	683.4	9.1
20°-30°	1045.6	14.0
30°-40°	1278.5	17.1
40°-50°	1352.4	18.1
50°-60°	1246.1	16.7
60°-70°	960.2	12.8
70°-80°	538.0	7.2
80°-90°	133.7	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°	1966.2	26.3
0°-40°	3244.6	43.4
0°-60°	5843.1	78.2
0°-90°	7475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7475.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2500	2500	2500	2500	2500	
5°	2509	2500	2475	2500	2489	238
15°	2430	2426	2406	2426	2415	687
25°	2277	2273	2255	2273	2259	1050
35°	2053	2048	2037	2044	2039	1283
45°	1751	1758	1754	1751	1751	1353
55°	1392	1403	1396	1396	1389	1243
65°	985	985	978	953	964	969
75°	524	517	506	488	508	555
85°	115	108	110	110	99	142
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2500.0	2500.0	2500.0	2500.0	2500.0
2.5°	2518.0	2506.8	2479.8	2504.5	2493.3
5°	2509.0	2500.0	2475.3	2500.0	2488.8
7.5°	2495.5	2488.8	2466.3	2488.8	2477.5
10°	2479.8	2473.0	2450.5	2473.0	2461.8
12.5°	2457.3	2452.8	2430.3	2452.8	2441.6
15°	2430.3	2425.8	2405.6	2425.8	2414.6
17.5°	2403.3	2394.3	2374.1	2396.6	2387.6
20°	2362.9	2358.4	2338.1	2358.4	2351.6
22.5°	2322.4	2317.9	2299.9	2317.9	2313.4
25°	2277.4	2272.9	2255.0	2272.9	2259.4
27.5°	2225.7	2228.0	2207.7	2219.0	2212.2
30°	2171.8	2171.8	2158.3	2162.8	2162.8
32.5°	2113.3	2113.3	2093.1	2106.6	2104.3
35°	2052.6	2048.1	2036.9	2043.6	2039.1
37.5°	1980.7	1978.4	1971.7	1976.2	1971.7
40°	1908.7	1911.0	1906.5	1904.2	1904.2
42.5°	1834.5	1839.0	1832.3	1830.0	1827.8
45°	1751.4	1758.1	1753.6	1751.4	1751.4
47.5°	1674.9	1677.2	1670.4	1668.2	1661.4
50°	1580.5	1589.5	1585.0	1580.5	1573.7
52.5°	1486.1	1499.6	1490.6	1486.1	1486.1
55°	1391.6	1402.9	1396.1	1396.1	1389.4
57.5°	1292.7	1304.0	1295.0	1295.0	1286.0
60°	1189.3	1200.5	1193.8	1187.1	1187.1
62.5°	1085.9	1094.9	1092.6	1081.4	1074.6
65°	984.7	984.7	978.0	953.2	964.5
67.5°	870.1	867.8	858.8	834.1	849.8
70°	757.6	757.6	741.9	712.7	732.9
72.5°	636.2	643.0	622.8	602.5	622.8
75°	523.8	517.1	505.8	487.9	508.1
77.5°	415.9	404.7	391.2	382.2	393.4
80°	303.5	296.8	281.0	281.0	287.8
82.5°	206.8	200.1	188.8	191.1	182.1
85°	114.7	107.9	110.2	110.2	98.9
87.5°	47.2	47.2	47.2	42.7	38.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)