

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: P567963

Luminaire Tested: **8SNX-66SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567963
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-L835-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

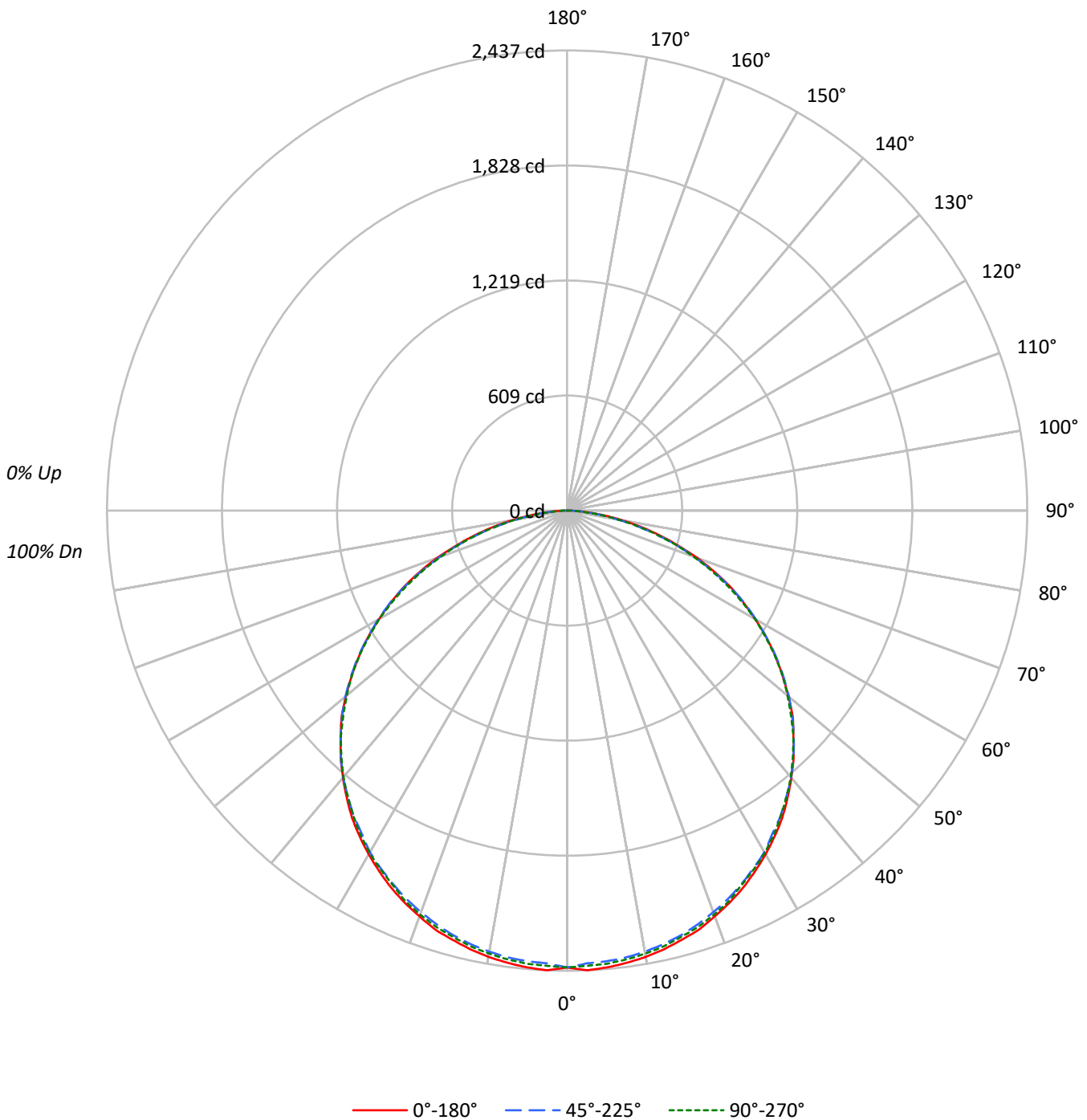
Lumens per Lamp: N/A
Luminaire Lumens: 7235.0 lumens
Efficiency: N/A
Efficacy: 171.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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°	13023	13023	13023
5°	13119	12943	13014
10°	13117	12962	13021
15°	13107	12973	13022
20°	13098	12962	13036
25°	13090	12961	12987
30°	13063	12982	13009
35°	13053	12953	12968
40°	12979	12964	12949
45°	12902	12919	12902
50°	12808	12845	12754
55°	12639	12679	12618
60°	12390	12438	12367
65°	12138	12055	11888
70°	11539	11300	11163
75°	10543	10181	10227
80°	9106	8430	8632
85°	6854	6583	5910



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.5	3.2
10°-20°	661.4	9.1
20°-30°	1012.1	14.0
30°-40°	1237.4	17.1
40°-50°	1309.0	18.1
50°-60°	1206.1	16.7
60°-70°	929.3	12.8
70°-80°	520.7	7.2
80°-90°	129.4	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°	1903.0	26.3
0°-40°	3140.5	43.4
0°-60°	5655.5	78.2
0°-90°	7235.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7235.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2420	2420	2420	2420	2420	
5°	2428	2420	2396	2420	2409	231
15°	2352	2348	2328	2348	2337	665
25°	2204	2200	2183	2200	2187	1016
35°	1987	1982	1972	1978	1974	1241
45°	1695	1702	1697	1695	1695	1309
55°	1347	1358	1351	1351	1345	1203
65°	953	953	947	923	934	937
75°	507	500	490	472	492	538
85°	111	104	107	107	96	137
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2419.7	2419.7	2419.7	2419.7	2419.7
2.5°	2437.1	2426.3	2400.2	2424.1	2413.2
5°	2428.4	2419.7	2395.8	2419.7	2408.9
7.5°	2415.4	2408.9	2387.1	2408.9	2398.0
10°	2400.2	2393.6	2371.9	2393.6	2382.7
12.5°	2378.4	2374.0	2352.3	2374.0	2363.2
15°	2352.3	2347.9	2328.3	2347.9	2337.1
17.5°	2326.2	2317.5	2297.9	2319.6	2310.9
20°	2287.0	2282.7	2263.1	2282.7	2276.1
22.5°	2247.8	2243.5	2226.1	2243.5	2239.1
25°	2204.3	2200.0	2182.6	2200.0	2186.9
27.5°	2154.3	2156.4	2136.9	2147.7	2141.2
30°	2102.0	2102.0	2089.0	2093.3	2093.3
32.5°	2045.5	2045.5	2025.9	2038.9	2036.8
35°	1986.7	1982.4	1971.5	1978.0	1973.7
37.5°	1917.1	1914.9	1908.4	1912.7	1908.4
40°	1847.4	1849.6	1845.3	1843.1	1843.1
42.5°	1775.6	1780.0	1773.5	1771.3	1769.1
45°	1695.1	1701.7	1697.3	1695.1	1695.1
47.5°	1621.1	1623.3	1616.8	1614.6	1608.1
50°	1529.7	1538.4	1534.1	1529.7	1523.2
52.5°	1438.4	1451.4	1442.7	1438.4	1438.4
55°	1347.0	1357.8	1351.3	1351.3	1344.8
57.5°	1251.2	1262.1	1253.4	1253.4	1244.7
60°	1151.1	1162.0	1155.5	1148.9	1148.9
62.5°	1051.0	1059.7	1057.5	1046.7	1040.1
65°	953.1	953.1	946.6	922.6	933.5
67.5°	842.1	839.9	831.2	807.3	822.5
70°	733.3	733.3	718.1	689.8	709.4
72.5°	615.8	622.3	602.8	583.2	602.8
75°	507.0	500.5	489.6	472.2	491.8
77.5°	402.6	391.7	378.6	369.9	380.8
80°	293.8	287.2	272.0	272.0	278.5
82.5°	200.2	193.7	182.8	185.0	176.3
85°	111.0	104.4	106.6	106.6	95.7
87.5°	45.7	45.7	45.7	41.3	37.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)