

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: P568017

Luminaire Tested: **8SNX-74SL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568017
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-74SL-UNV-L950-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

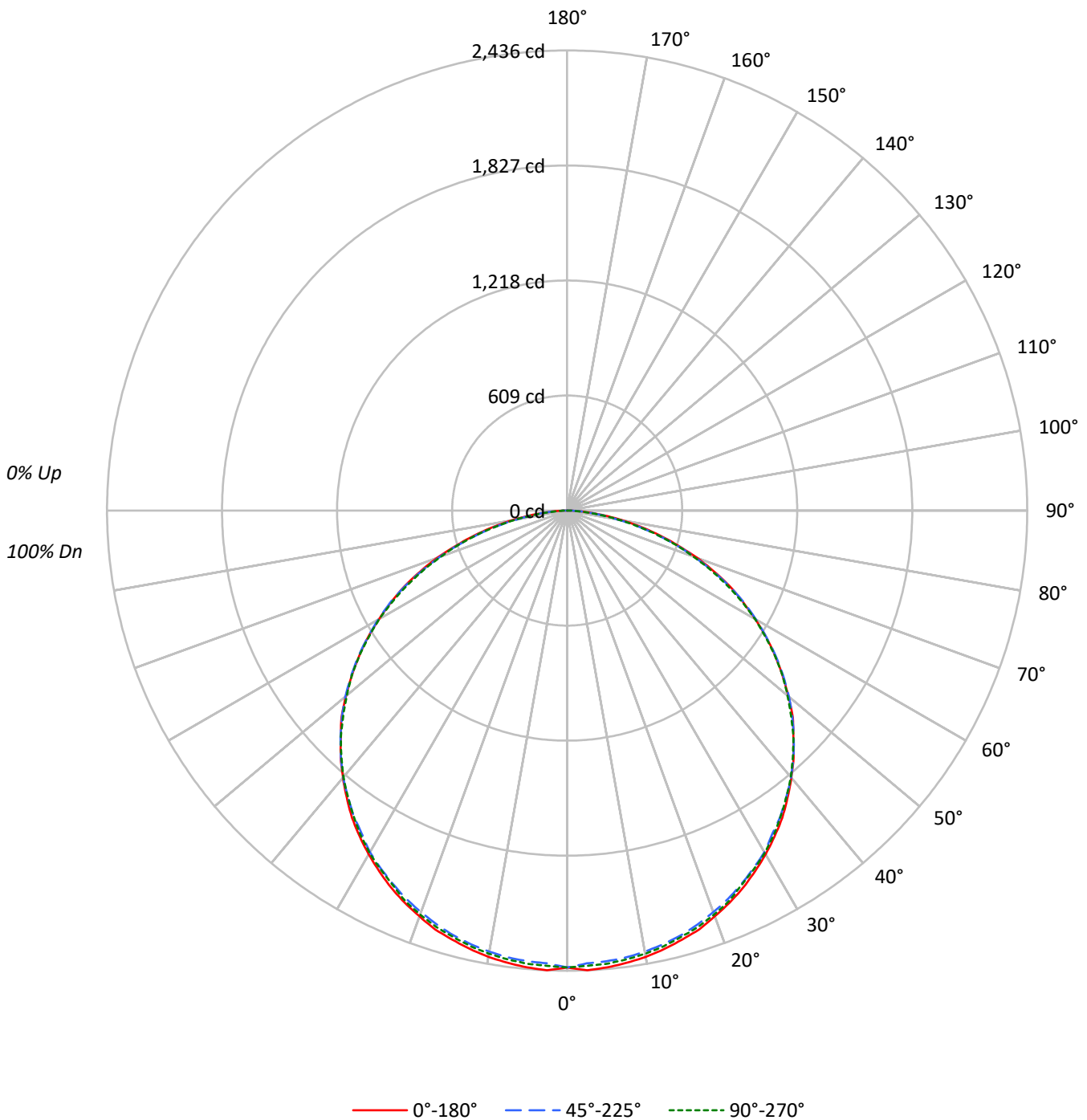
Lumens per Lamp: N/A
Luminaire Lumens: 7232.0 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 48
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°	13017	13017	13017
5°	13114	12938	13009
10°	13112	12957	13016
15°	13101	12968	13016
20°	13093	12956	13031
25°	13085	12955	12981
30°	13058	12977	13004
35°	13048	12948	12962
40°	12974	12959	12943
45°	12896	12913	12896
50°	12803	12840	12748
55°	12633	12675	12613
60°	12385	12432	12362
65°	12132	12050	11883
70°	11534	11295	11158
75°	10539	10177	10222
80°	9100	8427	8629
85°	6848	6583	5910



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.5	3.2
10°-20°	661.2	9.1
20°-30°	1011.6	14.0
30°-40°	1236.9	17.1
40°-50°	1308.4	18.1
50°-60°	1205.6	16.7
60°-70°	929.0	12.8
70°-80°	520.5	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°	1902.3	26.3
0°-40°	3139.2	43.4
0°-60°	5653.2	78.2
0°-90°	7232.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7232.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2419	2419	2419	2419	2419	
5°	2427	2419	2395	2419	2408	231
15°	2351	2347	2327	2347	2336	664
25°	2203	2199	2182	2199	2186	1015
35°	1986	1982	1971	1977	1973	1241
45°	1694	1701	1697	1694	1694	1309
55°	1346	1357	1351	1351	1344	1202
65°	953	953	946	922	933	937
75°	507	500	489	472	492	537
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°	2418.7	2418.7	2418.7	2418.7	2418.7
2.5°	2436.1	2425.3	2399.2	2423.1	2412.2
5°	2427.4	2418.7	2394.8	2418.7	2407.9
7.5°	2414.4	2407.9	2386.1	2407.9	2397.0
10°	2399.2	2392.6	2370.9	2392.6	2381.8
12.5°	2377.4	2373.1	2351.3	2373.1	2362.2
15°	2351.3	2347.0	2327.4	2347.0	2336.1
17.5°	2325.2	2316.5	2296.9	2318.7	2310.0
20°	2286.1	2281.7	2262.1	2281.7	2275.2
22.5°	2246.9	2242.6	2225.2	2242.6	2238.2
25°	2203.4	2199.0	2181.6	2199.0	2186.0
27.5°	2153.4	2155.5	2136.0	2146.8	2140.3
30°	2101.2	2101.2	2088.1	2092.5	2092.5
32.5°	2044.6	2044.6	2025.0	2038.1	2035.9
35°	1985.9	1981.5	1970.7	1977.2	1972.8
37.5°	1916.3	1914.1	1907.6	1911.9	1907.6
40°	1846.7	1848.9	1844.5	1842.3	1842.3
42.5°	1774.9	1779.3	1772.7	1770.6	1768.4
45°	1694.4	1700.9	1696.6	1694.4	1694.4
47.5°	1620.5	1622.6	1616.1	1613.9	1607.4
50°	1529.1	1537.8	1533.5	1529.1	1522.6
52.5°	1437.8	1450.8	1442.1	1437.8	1437.8
55°	1346.4	1357.3	1350.8	1350.8	1344.2
57.5°	1250.7	1261.6	1252.9	1252.9	1244.2
60°	1150.6	1161.5	1155.0	1148.5	1148.5
62.5°	1050.6	1059.3	1057.1	1046.2	1039.7
65°	952.7	952.7	946.2	922.3	933.1
67.5°	841.8	839.6	830.9	807.0	822.2
70°	733.0	733.0	717.8	689.5	709.1
72.5°	615.6	622.1	602.5	582.9	602.5
75°	506.8	500.3	489.4	472.0	491.6
77.5°	402.4	391.5	378.5	369.8	380.6
80°	293.6	287.1	271.9	271.9	278.4
82.5°	200.1	193.6	182.7	184.9	176.2
85°	110.9	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)