

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: P568003

Luminaire Tested: **8SNX-74SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-74SL-SLW-UNV-L835-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

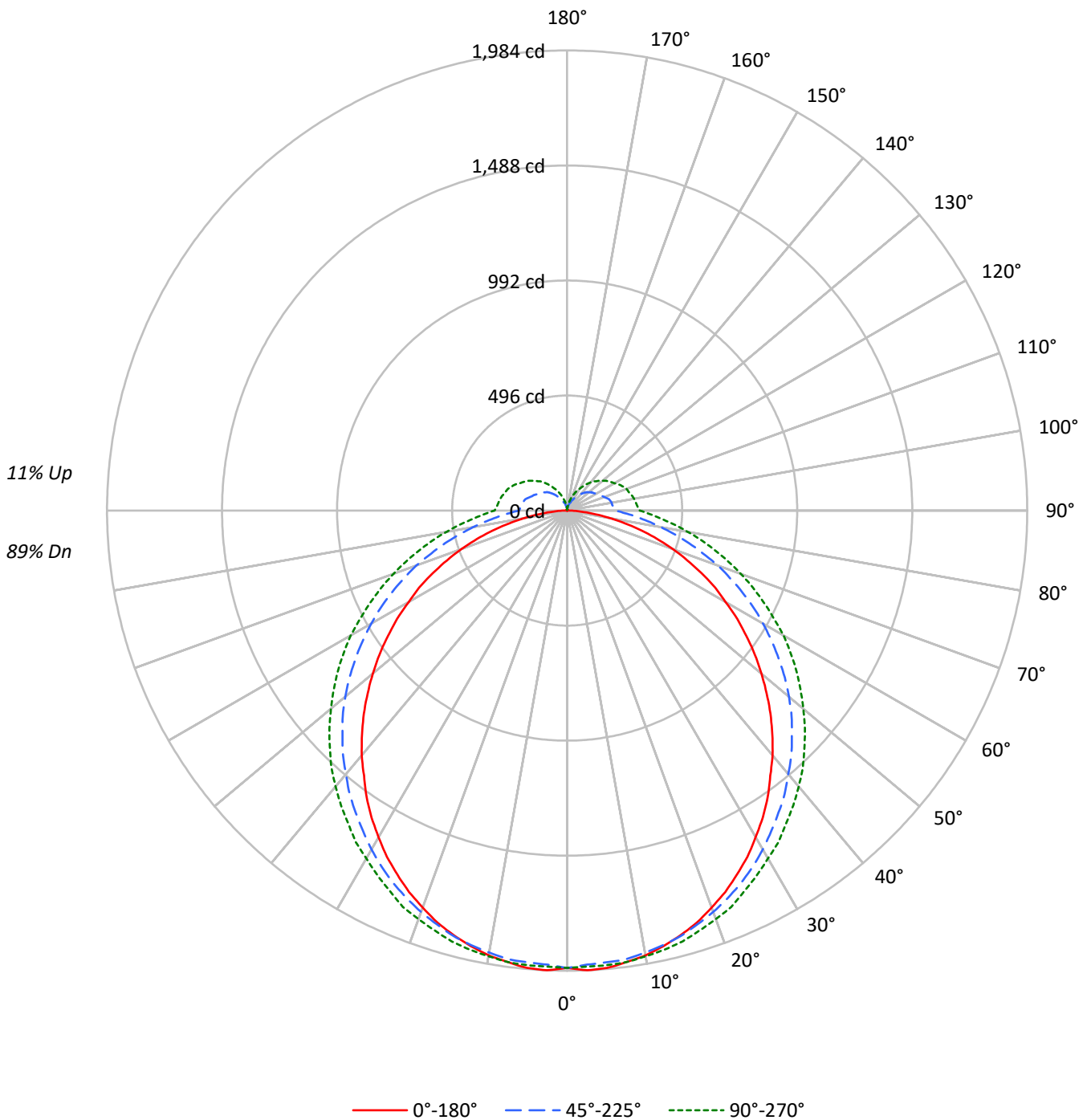
Lumens per Lamp: N/A
Luminaire Lumens: 7019.0 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 48
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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10612	10612	10612
5°	10686	10345	10330
10°	10623	10142	10074
15°	10526	9934	9839
20°	10391	9693	9576
25°	10234	9458	9302
30°	10045	9199	9031
35°	9838	8930	8777
40°	9598	8665	8533
45°	9340	8395	8270
50°	9045	8110	7975
55°	8720	7767	7685
60°	8340	7400	7362
65°	7950	6986	6955
70°	7402	6531	6557
75°	6674	5950	6117
80°	5474	5363	5682
85°	4041	4865	5235



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.3	2.7
10°-20°	538.3	7.7
20°-30°	818.5	11.7
30°-40°	993.5	14.2
40°-50°	1049.9	15.0
50°-60°	982.4	14.0
60°-70°	806.1	11.5
70°-80°	554.4	7.9
80°-90°	303.6	4.3
90°-100°	195.5	2.8
100°-110°	175.4	2.5
110°-120°	145.2	2.1
120°-130°	111.8	1.6
130°-140°	78.6	1.1
140°-150°	47.4	0.7
150°-160°	22.7	0.3
160°-170°	7.4	0.1
170°-180°	0.9	0.0
0°-30°	1544.0	22.0
0°-40°	2537.6	36.2
0°-60°	4569.9	65.1
0°-90°	6234.1	88.8
90°-120°	516.2	7.4
90°-150°	754.0	10.7
90°-180°	785.0	11.2
0°-180°	7019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1972	1972	1972	1972	1972	
5°	1980	1976	1955	1972	1968	188
15°	1894	1902	1898	1923	1923	534
25°	1732	1752	1772	1809	1809	798
35°	1508	1545	1590	1634	1646	942
45°	1240	1297	1370	1431	1447	956
55°	943	1020	1114	1183	1207	844
65°	638	724	833	911	935	632
75°	333	423	545	630	659	351
85°	73	175	297	378	406	85
90°	0	98	207	285	313	5
95°	0	94	199	272	301	0
105°	0	77	187	256	280	3
115°	4	69	158	228	256	4
125°	4	57	134	195	220	4
135°	4	45	110	158	179	3
145°	4	32	77	122	134	3
155°	4	20	49	77	89	2
165°	4	12	24	37	45	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1971.7	1971.7	1971.7	1971.7	1971.7
2.5°	1983.8	1979.8	1959.5	1975.7	1967.6
5°	1979.8	1975.7	1955.4	1971.7	1967.6
7.5°	1963.5	1963.5	1951.3	1967.6	1963.5
10°	1947.3	1947.3	1935.1	1955.4	1951.3
12.5°	1922.9	1926.9	1918.8	1943.2	1939.1
15°	1894.4	1902.5	1898.5	1922.9	1922.9
17.5°	1861.9	1870.0	1870.0	1898.5	1898.5
20°	1821.2	1833.4	1841.6	1874.1	1874.1
22.5°	1780.6	1796.8	1809.0	1837.5	1849.7
25°	1731.8	1752.1	1772.5	1809.0	1809.0
27.5°	1683.0	1707.4	1731.8	1768.4	1772.5
30°	1626.1	1654.6	1687.1	1723.7	1731.8
32.5°	1569.2	1605.8	1638.3	1683.0	1695.2
35°	1508.2	1544.8	1589.5	1634.2	1646.4
37.5°	1439.1	1483.8	1540.7	1589.5	1601.7
40°	1378.1	1426.9	1483.8	1540.7	1552.9
42.5°	1309.0	1361.9	1431.0	1483.8	1504.1
45°	1239.9	1296.8	1370.0	1431.0	1447.2
47.5°	1166.7	1231.8	1313.1	1370.0	1390.3
50°	1093.6	1162.7	1248.0	1313.1	1329.3
52.5°	1020.4	1093.6	1183.0	1248.0	1268.4
55°	943.1	1020.4	1113.9	1183.0	1207.4
57.5°	870.0	947.2	1044.8	1117.9	1142.3
60°	788.7	878.1	975.7	1048.8	1077.3
62.5°	719.6	800.9	906.6	979.7	1004.1
65°	638.2	723.6	833.4	910.6	935.0
67.5°	561.0	650.4	760.2	841.5	865.9
70°	483.8	573.2	691.1	768.3	796.8
72.5°	406.5	500.0	613.9	699.2	727.7
75°	333.4	422.8	544.7	630.1	658.6
77.5°	256.1	353.7	475.6	561.0	593.5
80°	187.0	288.6	410.6	496.0	528.5
82.5°	126.0	227.7	349.6	435.0	467.5
85°	73.2	174.8	296.8	378.1	406.5
87.5°	36.6	134.2	248.0	329.3	357.7
90°	0.0	97.6	207.3	284.6	313.0
92.5°	0.0	93.5	203.3	276.4	304.9
95°	0.0	93.5	199.2	272.4	300.8
97.5°	0.0	89.4	195.1	272.4	296.8
100°	0.0	85.4	195.1	268.3	292.7
102.5°	0.0	81.3	191.1	264.2	288.6
105°	0.0	77.2	187.0	256.1	280.5
107.5°	4.1	77.2	178.9	252.0	276.4
110°	4.1	73.2	170.7	248.0	272.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.1	69.1	162.6	239.9	264.2
115°	4.1	69.1	158.5	227.7	256.1
117.5°	4.1	65.0	150.4	219.5	248.0
120°	4.1	65.0	146.3	211.4	235.8
122.5°	4.1	61.0	138.2	203.3	227.7
125°	4.1	56.9	134.2	195.1	219.5
127.5°	4.1	52.8	130.1	187.0	211.4
130°	4.1	48.8	122.0	178.9	199.2
132.5°	4.1	48.8	117.9	166.7	191.1
135°	4.1	44.7	109.8	158.5	178.9
137.5°	4.1	40.7	101.6	150.4	170.7
140°	4.1	36.6	93.5	142.3	158.5
142.5°	4.1	36.6	85.4	130.1	146.3
145°	4.1	32.5	77.2	122.0	134.2
147.5°	4.1	28.5	69.1	109.8	122.0
150°	4.1	28.5	61.0	97.6	109.8
152.5°	4.1	24.4	52.8	89.4	101.6
155°	4.1	20.3	48.8	77.2	89.4
157.5°	4.1	20.3	40.7	65.0	77.2
160°	4.1	16.3	36.6	52.8	65.0
162.5°	4.1	16.3	32.5	44.7	56.9
165°	4.1	12.2	24.4	36.6	44.7
167.5°	4.1	12.2	20.3	28.5	36.6
170°	4.1	8.1	16.3	20.3	28.5
172.5°	4.1	8.1	12.2	12.2	12.2
175°	4.1	4.1	8.1	8.1	4.1
177.5°	4.1	4.1	4.1	4.1	4.1
180°	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)