

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: P565608

Luminaire Tested: **2SNX-25SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-25SL-LC-UNV-L940-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

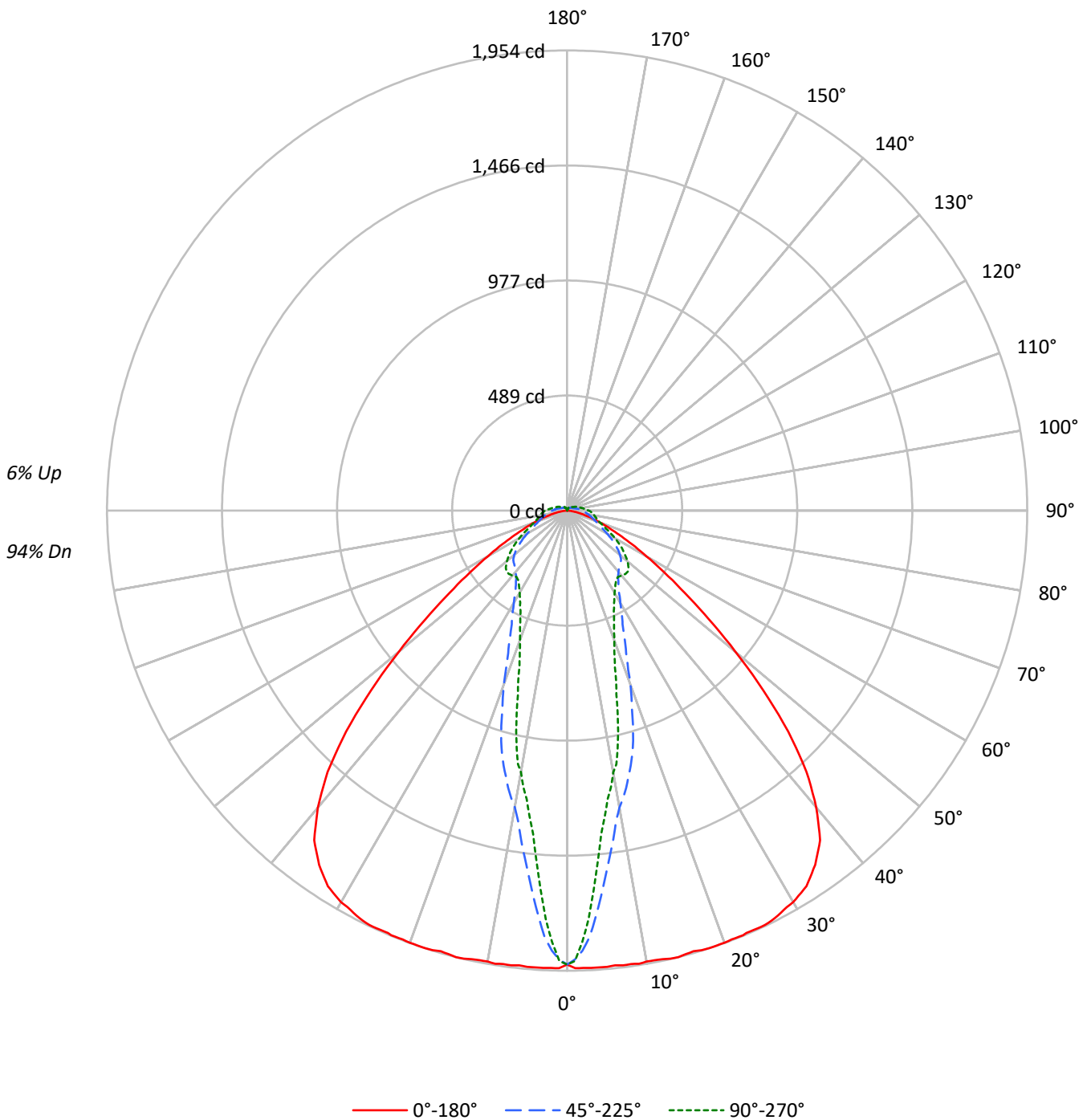
Lumens per Lamp: N/A
Luminaire Lumens: 2376.0 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 17.5
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	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41495	41495	41495
5°	41719	33999	30506
10°	41893	25608	22080
15°	42498	20886	15288
20°	43427	15082	10798
25°	44602	10783	8495
30°	45542	8596	7234
35°	45596	7257	6479
40°	43242	6583	6495
45°	37298	6346	6673
50°	28415	6023	6226
55°	20420	5254	5526
60°	14659	4372	4672
65°	10523	3685	3828
70°	7611	3243	3303
75°	5253	2993	3079
80°	3283	2787	3031
85°	1392	2641	3034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.6	6.4
10°-20°	329.2	13.9
20°-30°	376.8	15.9
30°-40°	377.5	15.9
40°-50°	357.3	15.0
50°-60°	274.0	11.5
60°-70°	176.6	7.4
70°-80°	112.6	4.7
80°-90°	74.8	3.1
90°-100°	50.3	2.1
100°-110°	33.1	1.4
110°-120°	23.0	1.0
120°-130°	16.1	0.7
130°-140°	11.2	0.5
140°-150°	6.8	0.3
150°-160°	3.5	0.1
160°-170°	1.3	0.1
170°-180°	0.3	0.0
0°-30°	857.5	36.1
0°-40°	1235.0	52.0
0°-60°	1866.3	78.6
0°-90°	2230.4	93.9
90°-120°	106.5	4.5
90°-150°	140.5	5.9
90°-180°	146.0	6.1
0°-180°	2376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1928	1928	1928	1928	1928	
5°	1945	1837	1646	1535	1494	186
15°	1949	1404	1070	879	808	553
25°	1951	994	566	492	469	899
35°	1836	553	379	366	362	1139
45°	1327	350	319	353	365	1009
55°	609	250	246	276	287	560
65°	244	157	155	177	183	250
75°	83	85	107	123	129	91
85°	11	39	76	99	106	15
90°	0	27	63	88	91	1
95°	0	20	52	72	76	0
105°	0	15	34	49	52	1
115°	1	12	26	35	38	1
125°	1	11	22	26	27	1
135°	1	8	17	21	22	1
145°	1	6	12	16	17	1
155°	1	4	7	11	12	1
165°	2	2	5	6	7	1
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1927.5	1927.5	1927.5	1927.5	1927.5
1°	1943.4	1932.4	1906.8	1914.1	1912.9
2°	1943.4	1920.2	1870.3	1855.7	1833.8
3°	1944.6	1899.5	1814.3	1766.8	1736.4
4°	1944.6	1869.1	1731.5	1652.3	1613.4
5°	1944.6	1837.4	1646.3	1535.4	1494.0
6°	1942.1	1799.7	1559.8	1442.9	1380.8
7°	1945.8	1758.3	1481.9	1356.5	1307.7
8°	1944.6	1709.6	1410.0	1290.7	1237.1
9°	1948.2	1662.1	1332.1	1228.6	1188.4
10°	1944.6	1618.2	1281.0	1170.2	1128.8
11°	1944.6	1575.6	1244.4	1132.4	1097.1
12°	1947.0	1526.9	1204.2	1078.8	1030.1
13°	1953.1	1477.0	1158.0	1020.4	963.2
14°	1954.3	1439.3	1115.4	946.1	886.4
15°	1949.4	1403.9	1070.3	879.1	808.5
16°	1947.0	1367.4	1016.7	815.8	752.5
17°	1951.9	1324.8	955.8	751.3	692.8
18°	1953.1	1285.8	891.3	702.6	651.4
19°	1953.1	1255.4	839.0	657.5	613.7
20°	1953.1	1226.2	785.4	623.4	585.7
21°	1950.7	1189.6	724.5	588.1	556.5
22.5°	1951.9	1121.4	655.1	546.7	521.2
23°	1948.2	1104.4	638.0	535.8	509.0
24°	1949.4	1055.7	601.5	513.8	488.3
25°	1950.7	993.6	566.2	491.9	468.8
26°	1948.2	943.7	537.0	471.2	455.4
27°	1942.1	903.5	516.3	454.2	439.6
28°	1933.6	849.9	494.4	439.6	426.2
29°	1925.1	789.0	472.4	423.7	414.0
30°	1920.2	740.3	451.7	411.6	403.0
32.5°	1891.0	644.1	409.1	387.2	379.9
35°	1836.2	552.8	378.7	366.5	361.6
37.5°	1764.4	482.2	355.6	353.1	354.3
40°	1646.3	426.2	338.5	349.5	360.4
42.5°	1505.0	382.3	326.3	353.1	365.3
45°	1327.2	349.5	319.0	353.1	365.3
47.5°	1130.0	322.7	310.5	340.9	353.1
50°	932.7	298.3	293.5	322.7	333.6
52.5°	758.6	275.2	271.5	299.5	310.5
55°	608.8	249.6	246.0	276.4	287.4
57.5°	488.3	225.3	221.6	249.6	260.6
60°	389.6	200.9	194.8	222.8	233.8
62.5°	310.5	177.8	174.1	198.5	208.2
65°	243.5	157.1	154.6	176.6	182.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	192.4	137.6	138.8	157.1	164.4
70°	148.6	119.3	126.6	143.7	148.6
72.5°	112.0	101.1	116.9	131.5	137.6
75°	82.8	85.2	107.2	123.0	129.1
77.5°	57.2	70.6	98.6	115.7	121.8
80°	39.0	57.2	90.1	109.6	116.9
82.5°	23.1	47.5	82.8	103.5	112.0
85°	11.0	39.0	75.5	98.6	105.9
87.5°	3.7	31.7	68.2	93.8	99.8
90°	0.0	26.8	63.3	87.7	91.3
92.5°	0.0	23.1	57.2	80.4	82.8
95°	0.0	19.5	52.4	71.8	75.5
97.5°	0.0	18.3	48.7	64.5	69.4
100°	0.0	17.0	43.8	58.4	63.3
102.5°	0.0	14.6	39.0	52.4	57.2
105°	0.0	14.6	34.1	48.7	52.4
107.5°	1.2	13.4	31.7	43.8	48.7
110°	1.2	13.4	28.0	41.4	45.1
112.5°	1.2	13.4	26.8	37.7	42.6
115°	1.2	12.2	25.6	35.3	37.7
117.5°	1.2	12.2	24.4	31.7	34.1
120°	1.2	11.0	23.1	29.2	30.4
122.5°	1.2	11.0	21.9	26.8	28.0
125°	1.2	11.0	21.9	25.6	26.8
127.5°	1.2	9.7	20.7	24.4	24.4
130°	1.2	9.7	19.5	23.1	23.1
132.5°	1.2	8.5	18.3	21.9	23.1
135°	1.2	8.5	17.0	20.7	21.9
137.5°	1.2	7.3	15.8	19.5	20.7
140°	1.2	7.3	14.6	18.3	19.5
142.5°	1.2	6.1	13.4	17.0	18.3
145°	1.2	6.1	12.2	15.8	17.0
147.5°	1.2	6.1	11.0	14.6	15.8
150°	1.2	4.9	9.7	13.4	14.6
152.5°	1.2	4.9	8.5	12.2	13.4
155°	1.2	3.7	7.3	11.0	12.2
157.5°	1.2	3.7	7.3	9.7	11.0
160°	2.4	3.7	6.1	8.5	9.7
162.5°	1.2	2.4	6.1	7.3	8.5
165°	2.4	2.4	4.9	6.1	7.3
167.5°	2.4	2.4	3.7	4.9	6.1
170°	2.4	2.4	3.7	3.7	4.9
172.5°	2.4	2.4	2.4	3.7	2.4
175°	2.4	2.4	2.4	2.4	1.2
177.5°	2.4	2.4	2.4	2.4	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)