

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: P566656

Luminaire Tested: **4SNX-60SL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566656  
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: 4SNX-60SL-UNV-L840-CD  
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

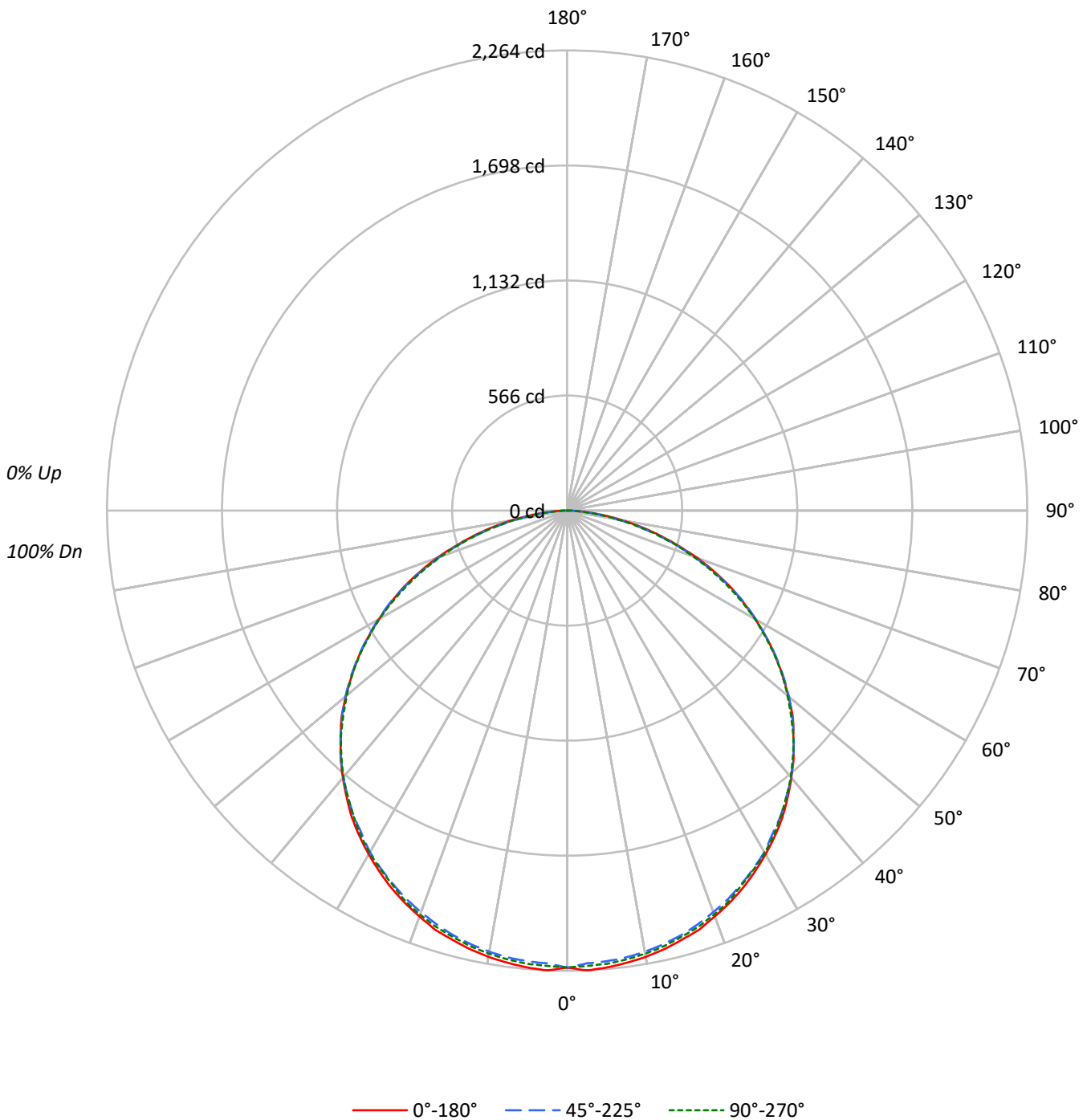
Lumens per Lamp: N/A  
Luminaire Lumens: 6722.0 lumens  
Efficiency: N/A  
Efficacy: 160.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 42  
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°	24199	24199	24199
5°	24379	24051	24183
10°	24374	24086	24197
15°	24354	24107	24196
20°	24339	24085	24223
25°	24323	24084	24131
30°	24274	24124	24173
35°	24254	24069	24095
40°	24119	24090	24061
45°	23974	24006	23974
50°	23801	23868	23698
55°	23486	23561	23447
60°	23024	23110	22981
65°	22553	22401	22090
70°	21442	20998	20743
75°	19592	18919	19002
80°	16916	15664	16042
85°	12733	12239	10992



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.3	3.2
10°-20°	614.5	9.1
20°-30°	940.3	14.0
30°-40°	1149.7	17.1
40°-50°	1216.2	18.1
50°-60°	1120.5	16.7
60°-70°	863.5	12.8
70°-80°	483.8	7.2
80°-90°	120.3	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°	1768.1	26.3
0°-40°	2917.8	43.4
0°-60°	5254.5	78.2
0°-90°	6722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6722.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2248	2248	2248	2248	2248	
5°	2256	2248	2226	2248	2238	214
15°	2186	2182	2163	2182	2171	617
25°	2048	2044	2028	2044	2032	944
35°	1846	1842	1832	1838	1834	1153
45°	1575	1581	1577	1575	1575	1217
55°	1252	1262	1256	1256	1249	1118
65°	886	886	880	857	867	871
75°	471	465	455	439	457	499
85°	103	97	99	99	89	127
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2248.2	2248.2	2248.2	2248.2	2248.2
2.5°	2264.3	2254.2	2230.0	2252.2	2242.1
5°	2256.3	2248.2	2225.9	2248.2	2238.1
7.5°	2244.1	2238.1	2217.8	2238.1	2228.0
10°	2230.0	2223.9	2203.7	2223.9	2213.8
12.5°	2209.8	2205.7	2185.5	2205.7	2195.6
15°	2185.5	2181.5	2163.3	2181.5	2171.3
17.5°	2161.2	2153.1	2135.0	2155.2	2147.1
20°	2124.8	2120.8	2102.6	2120.8	2114.7
22.5°	2088.5	2084.4	2068.2	2084.4	2080.4
25°	2048.0	2044.0	2027.8	2044.0	2031.8
27.5°	2001.5	2003.5	1985.3	1995.5	1989.4
30°	1953.0	1953.0	1940.9	1944.9	1944.9
32.5°	1900.4	1900.4	1882.2	1894.4	1892.3
35°	1845.8	1841.8	1831.7	1837.8	1833.7
37.5°	1781.1	1779.1	1773.1	1777.1	1773.1
40°	1716.5	1718.5	1714.4	1712.4	1712.4
42.5°	1649.7	1653.8	1647.7	1645.7	1643.7
45°	1574.9	1581.0	1577.0	1574.9	1574.9
47.5°	1506.2	1508.2	1502.1	1500.1	1494.1
50°	1421.3	1429.4	1425.3	1421.3	1415.2
52.5°	1336.4	1348.5	1340.4	1336.4	1336.4
55°	1251.5	1261.6	1255.5	1255.5	1249.4
57.5°	1162.5	1172.6	1164.5	1164.5	1156.4
60°	1069.5	1079.6	1073.5	1067.5	1067.5
62.5°	976.5	984.6	982.6	972.5	966.4
65°	885.5	885.5	879.5	857.2	867.3
67.5°	782.4	780.4	772.3	750.1	764.2
70°	681.3	681.3	667.2	640.9	659.1
72.5°	572.2	578.2	560.0	541.8	560.0
75°	471.1	465.0	454.9	438.7	456.9
77.5°	374.0	363.9	351.8	343.7	353.8
80°	272.9	266.9	252.7	252.7	258.8
82.5°	186.0	179.9	169.8	171.8	163.8
85°	103.1	97.0	99.1	99.1	89.0
87.5°	42.5	42.5	42.5	38.4	34.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)