

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: P566657

Luminaire Tested: **4SNX-60SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566657
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-L850-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

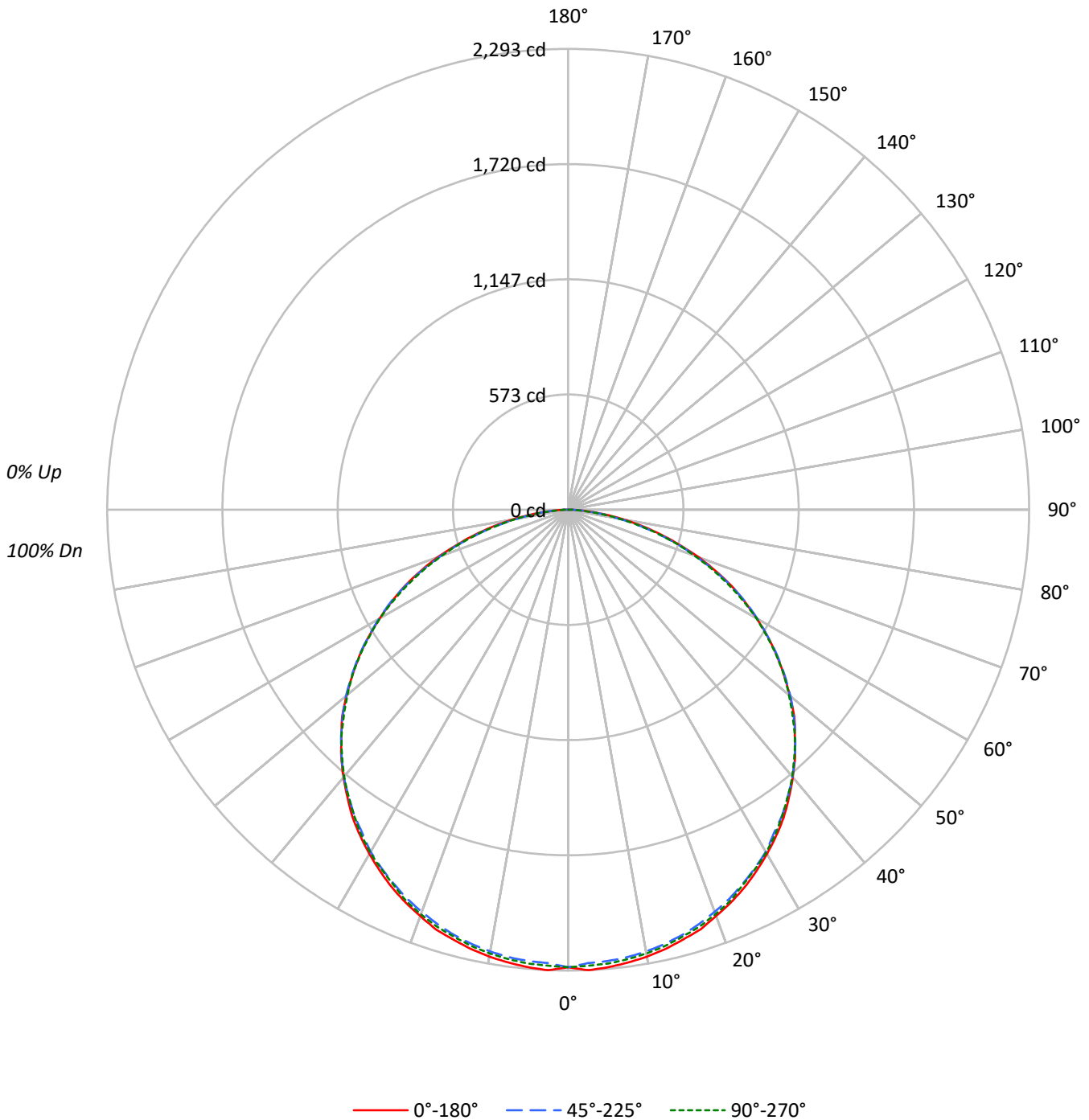
Lumens per Lamp: N/A
Luminaire Lumens: 6808.0 lumens
Efficiency: N/A
Efficacy: 162.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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°	24508	24508	24508
5°	24691	24359	24492
10°	24685	24395	24506
15°	24666	24415	24506
20°	24651	24393	24534
25°	24635	24391	24440
30°	24585	24432	24483
35°	24566	24377	24404
40°	24427	24399	24369
45°	24281	24312	24281
50°	24105	24174	24002
55°	23786	23863	23747
60°	23319	23407	23274
65°	22841	22686	22372
70°	21715	21265	21007
75°	19842	19160	19247
80°	17133	15862	16247
85°	12894	12387	11128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.0	3.2
10°-20°	622.4	9.1
20°-30°	952.3	14.0
30°-40°	1164.4	17.1
40°-50°	1231.7	18.1
50°-60°	1134.9	16.7
60°-70°	874.5	12.8
70°-80°	490.0	7.2
80°-90°	121.8	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°	1790.7	26.3
0°-40°	2955.1	43.4
0°-60°	5321.7	78.2
0°-90°	6808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6808.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2277	2277	2277	2277	2277	
5°	2285	2277	2254	2277	2267	217
15°	2214	2209	2191	2209	2199	625
25°	2074	2070	2054	2070	2058	956
35°	1870	1865	1855	1861	1857	1168
45°	1595	1601	1597	1595	1595	1232
55°	1268	1278	1272	1272	1265	1132
65°	897	897	891	868	878	882
75°	477	471	461	444	463	506
85°	104	98	100	100	90	129
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2276.9	2276.9	2276.9	2276.9	2276.9
2.5°	2293.3	2283.1	2258.5	2281.0	2270.8
5°	2285.1	2276.9	2254.4	2276.9	2266.7
7.5°	2272.8	2266.7	2246.2	2266.7	2256.5
10°	2258.5	2252.4	2231.9	2252.4	2242.1
12.5°	2238.0	2233.9	2213.5	2233.9	2223.7
15°	2213.5	2209.4	2190.9	2209.4	2199.1
17.5°	2188.9	2180.7	2162.3	2182.7	2174.6
20°	2152.0	2147.9	2129.5	2147.9	2141.8
22.5°	2115.2	2111.1	2094.7	2111.1	2107.0
25°	2074.2	2070.1	2053.7	2070.1	2057.8
27.5°	2027.1	2029.2	2010.7	2021.0	2014.8
30°	1978.0	1978.0	1965.7	1969.8	1969.8
32.5°	1924.7	1924.7	1906.3	1918.6	1916.6
35°	1869.5	1865.4	1855.1	1861.3	1857.2
37.5°	1803.9	1801.9	1795.7	1799.8	1795.7
40°	1738.4	1740.5	1736.4	1734.3	1734.3
42.5°	1670.8	1674.9	1668.8	1666.7	1664.7
45°	1595.1	1601.2	1597.1	1595.1	1595.1
47.5°	1525.5	1527.5	1521.4	1519.3	1513.2
50°	1439.5	1447.7	1443.6	1439.5	1433.3
52.5°	1353.5	1365.7	1357.6	1353.5	1353.5
55°	1267.5	1277.7	1271.6	1271.6	1265.4
57.5°	1177.4	1187.6	1179.4	1179.4	1171.2
60°	1083.2	1093.4	1087.3	1081.1	1081.1
62.5°	989.0	997.2	995.1	984.9	978.8
65°	896.8	896.8	890.7	868.2	878.4
67.5°	792.4	790.4	782.2	759.7	774.0
70°	690.0	690.0	675.7	649.1	667.5
72.5°	579.5	585.6	567.2	548.8	567.2
75°	477.1	470.9	460.7	444.3	462.8
77.5°	378.8	368.6	356.3	348.1	358.3
80°	276.4	270.3	255.9	255.9	262.1
82.5°	188.4	182.2	172.0	174.0	165.9
85°	104.4	98.3	100.3	100.3	90.1
87.5°	43.0	43.0	43.0	38.9	34.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)