

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: P566704

Luminaire Tested: **4SNX-63SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566704
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-63SL-UNV-L840-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

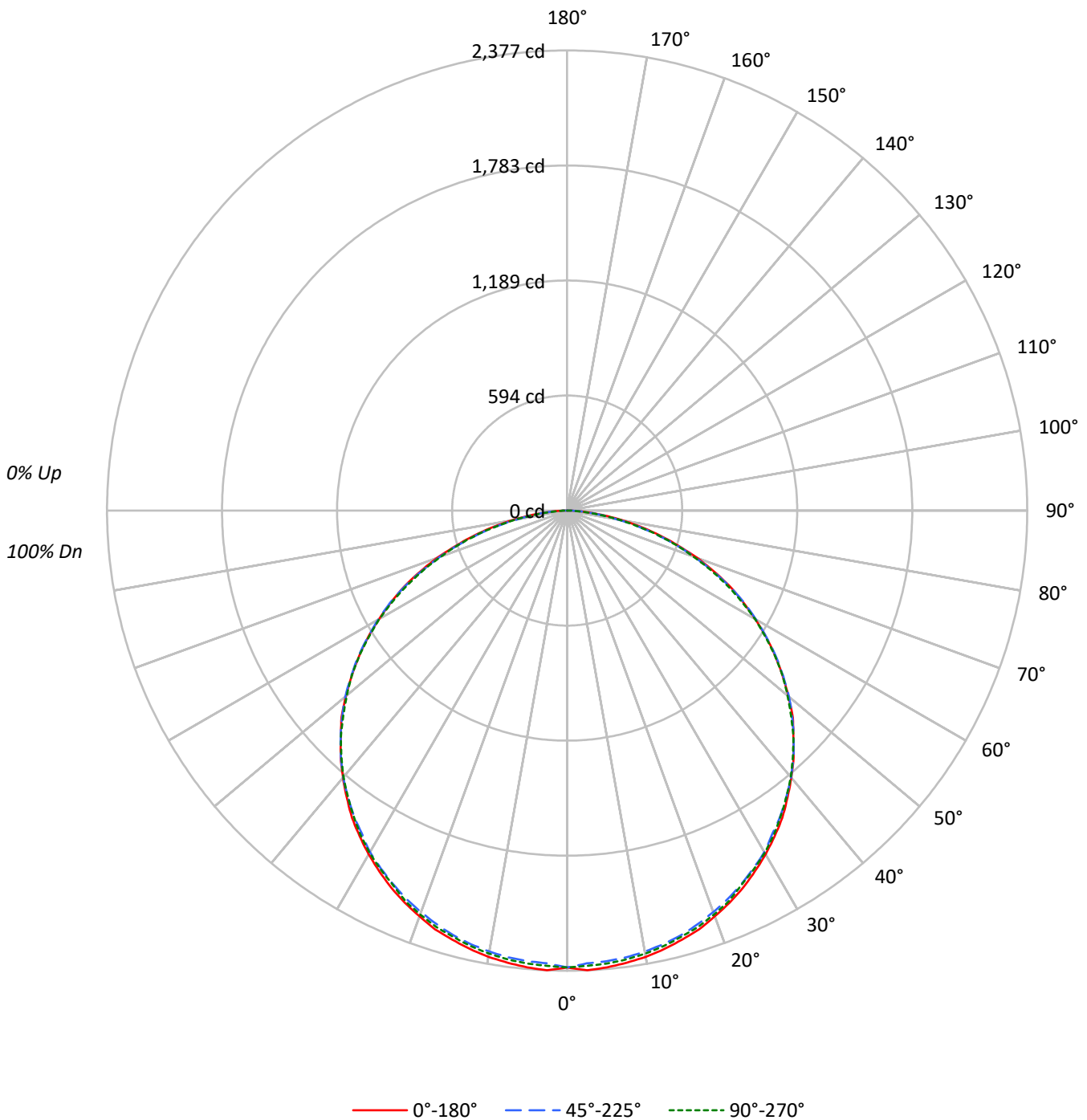
Lumens per Lamp: N/A
Luminaire Lumens: 7056.0 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.4
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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25402	25402	25402
5°	25591	25246	25384
10°	25585	25283	25399
15°	25565	25304	25399
20°	25549	25282	25427
25°	25532	25281	25331
30°	25480	25322	25374
35°	25461	25265	25292
40°	25316	25287	25257
45°	25166	25198	25166
50°	24983	25053	24876
55°	24651	24732	24612
60°	24167	24260	24122
65°	23674	23514	23188
70°	22508	22040	21772
75°	20566	19859	19946
80°	17759	16445	16836
85°	13363	12844	11535



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	3.2
10°-20°	645.1	9.1
20°-30°	987.0	14.0
30°-40°	1206.8	17.1
40°-50°	1276.6	18.1
50°-60°	1176.2	16.7
60°-70°	906.4	12.8
70°-80°	507.8	7.2
80°-90°	126.2	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°	1856.0	26.3
0°-40°	3062.8	43.4
0°-60°	5515.6	78.2
0°-90°	7056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2360	2360	2360	2360	2360	
5°	2368	2360	2336	2360	2349	225
15°	2294	2290	2271	2290	2279	648
25°	2150	2146	2129	2146	2133	991
35°	1938	1933	1923	1929	1925	1211
45°	1653	1660	1655	1653	1653	1277
55°	1314	1324	1318	1318	1312	1173
65°	930	930	923	900	910	914
75°	494	488	478	460	480	524
85°	108	102	104	104	93	134
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2359.9	2359.9	2359.9	2359.9	2359.9
2.5°	2376.9	2366.2	2340.8	2364.1	2353.5
5°	2368.4	2359.9	2336.5	2359.9	2349.3
7.5°	2355.6	2349.3	2328.0	2349.3	2338.7
10°	2340.8	2334.4	2313.2	2334.4	2323.8
12.5°	2319.6	2315.3	2294.1	2315.3	2304.7
15°	2294.1	2289.8	2270.7	2289.8	2279.2
17.5°	2268.6	2260.1	2241.0	2262.3	2253.8
20°	2230.4	2226.2	2207.1	2226.2	2219.8
22.5°	2192.2	2188.0	2171.0	2188.0	2183.7
25°	2149.8	2145.5	2128.6	2145.5	2132.8
27.5°	2101.0	2103.1	2084.0	2094.6	2088.2
30°	2050.0	2050.0	2037.3	2041.5	2041.5
32.5°	1994.9	1994.9	1975.8	1988.5	1986.4
35°	1937.6	1933.3	1922.7	1929.1	1924.8
37.5°	1869.6	1867.5	1861.2	1865.4	1861.2
40°	1801.7	1803.9	1799.6	1797.5	1797.5
42.5°	1731.7	1736.0	1729.6	1727.5	1725.3
45°	1653.2	1659.6	1655.3	1653.2	1653.2
47.5°	1581.0	1583.2	1576.8	1574.7	1568.3
50°	1491.9	1500.4	1496.1	1491.9	1485.5
52.5°	1402.8	1415.5	1407.0	1402.8	1402.8
55°	1313.6	1324.2	1317.9	1317.9	1311.5
57.5°	1220.3	1230.9	1222.4	1222.4	1213.9
60°	1122.6	1133.2	1126.9	1120.5	1120.5
62.5°	1025.0	1033.5	1031.4	1020.8	1014.4
65°	929.5	929.5	923.2	899.8	910.4
67.5°	821.3	819.2	810.7	787.3	802.2
70°	715.2	715.2	700.3	672.7	691.8
72.5°	600.6	606.9	587.8	568.7	587.8
75°	494.5	488.1	477.5	460.5	479.6
77.5°	392.6	382.0	369.3	360.8	371.4
80°	286.5	280.1	265.3	265.3	271.6
82.5°	195.2	188.9	178.3	180.4	171.9
85°	108.2	101.9	104.0	104.0	93.4
87.5°	44.6	44.6	44.6	40.3	36.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)