

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: P566705

Luminaire Tested: **4SNX-63SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566705
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-L850-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

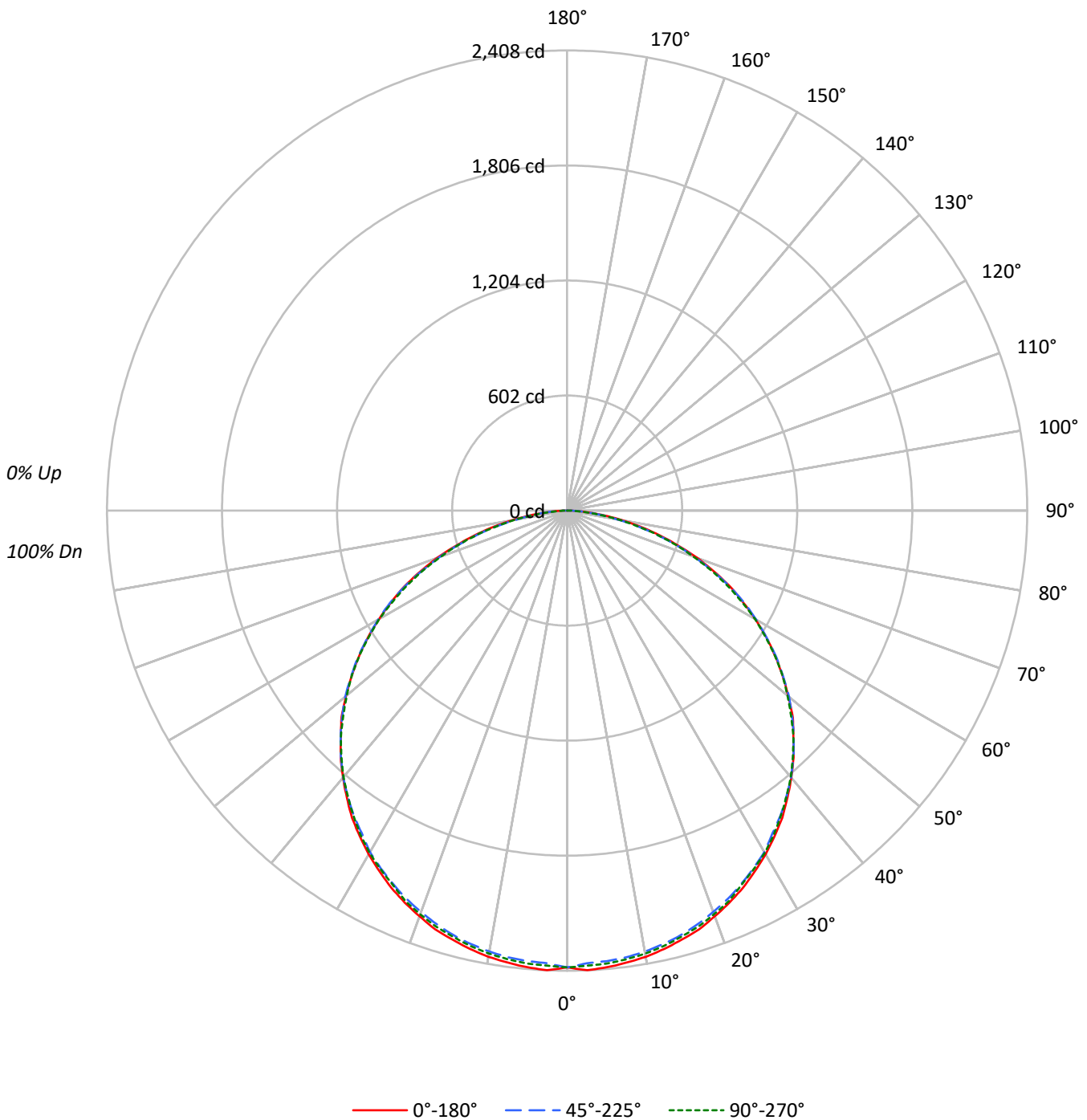
Lumens per Lamp: N/A
Luminaire Lumens: 7147.0 lumens
Efficiency: N/A
Efficacy: 161.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.4
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

TEST NUMBER: P566705

CATALOG NUMBER: 4SNX-63SL-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566705

CATALOG NUMBER: 4SNX-63SL-UNV-L850-CD

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°	25729	25729	25729
5°	25920	25572	25712
10°	25915	25609	25727
15°	25894	25630	25726
20°	25879	25607	25755
25°	25861	25606	25657
30°	25809	25649	25702
35°	25788	25591	25618
40°	25644	25613	25583
45°	25490	25524	25490
50°	25304	25376	25197
55°	24970	25051	24929
60°	24479	24572	24434
65°	23980	23817	23488
70°	22798	22326	22055
75°	20828	20116	20204
80°	17989	16656	17053
85°	13536	13005	11683



TEST NUMBER: P566705

CATALOG NUMBER: 4SNX-63SL-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.8	3.2
10°-20°	653.4	9.1
20°-30°	999.7	14.0
30°-40°	1222.4	17.1
40°-50°	1293.0	18.1
50°-60°	1191.4	16.7
60°-70°	918.1	12.8
70°-80°	514.4	7.2
80°-90°	127.8	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°	1879.9	26.3
0°-40°	3102.3	43.4
0°-60°	5586.7	78.2
0°-90°	7147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2390	2390	2390	2390	2390	
5°	2399	2390	2367	2390	2380	228
15°	2324	2319	2300	2319	2309	657
25°	2178	2173	2156	2173	2160	1004
35°	1962	1958	1948	1954	1950	1226
45°	1674	1681	1677	1674	1674	1294
55°	1331	1341	1335	1335	1328	1188
65°	942	942	935	911	922	926
75°	501	494	484	466	486	531
85°	110	103	105	105	95	135
90°	0	0	0	0	0	



TEST NUMBER: P566705

CATALOG NUMBER: 4SNX-63SL-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2390.3	2390.3	2390.3	2390.3	2390.3
2.5°	2407.5	2396.8	2371.0	2394.6	2383.9
5°	2398.9	2390.3	2366.7	2390.3	2379.6
7.5°	2386.0	2379.6	2358.1	2379.6	2368.8
10°	2371.0	2364.5	2343.0	2364.5	2353.8
12.5°	2349.5	2345.2	2323.7	2345.2	2334.4
15°	2323.7	2319.4	2300.0	2319.4	2308.6
17.5°	2297.9	2289.3	2269.9	2291.4	2282.8
20°	2259.2	2254.9	2235.5	2254.9	2248.4
22.5°	2220.5	2216.2	2199.0	2216.2	2211.9
25°	2177.5	2173.2	2156.0	2173.2	2160.3
27.5°	2128.1	2130.2	2110.9	2121.6	2115.2
30°	2076.5	2076.5	2063.6	2067.9	2067.9
32.5°	2020.6	2020.6	2001.2	2014.1	2012.0
35°	1962.5	1958.2	1947.5	1953.9	1949.6
37.5°	1893.8	1891.6	1885.2	1889.5	1885.2
40°	1825.0	1827.1	1822.8	1820.7	1820.7
42.5°	1754.0	1758.3	1751.9	1749.7	1747.6
45°	1674.5	1681.0	1676.7	1674.5	1674.5
47.5°	1601.4	1603.6	1597.1	1595.0	1588.5
50°	1511.1	1519.7	1515.4	1511.1	1504.7
52.5°	1420.9	1433.8	1425.2	1420.9	1420.9
55°	1330.6	1341.3	1334.9	1334.9	1328.4
57.5°	1236.0	1246.7	1238.1	1238.1	1229.5
60°	1137.1	1147.9	1141.4	1135.0	1135.0
62.5°	1038.2	1046.8	1044.7	1033.9	1027.5
65°	941.5	941.5	935.1	911.4	922.2
67.5°	831.9	829.7	821.1	797.5	812.5
70°	724.4	724.4	709.4	681.4	700.8
72.5°	608.3	614.8	595.4	576.1	595.4
75°	500.8	494.4	483.7	466.5	485.8
77.5°	397.7	386.9	374.0	365.4	376.2
80°	290.2	283.7	268.7	268.7	275.1
82.5°	197.8	191.3	180.6	182.7	174.1
85°	109.6	103.2	105.3	105.3	94.6
87.5°	45.1	45.1	45.1	40.8	36.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)