

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: P566703

Luminaire Tested: **4SNX-63SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566703
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-L835-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

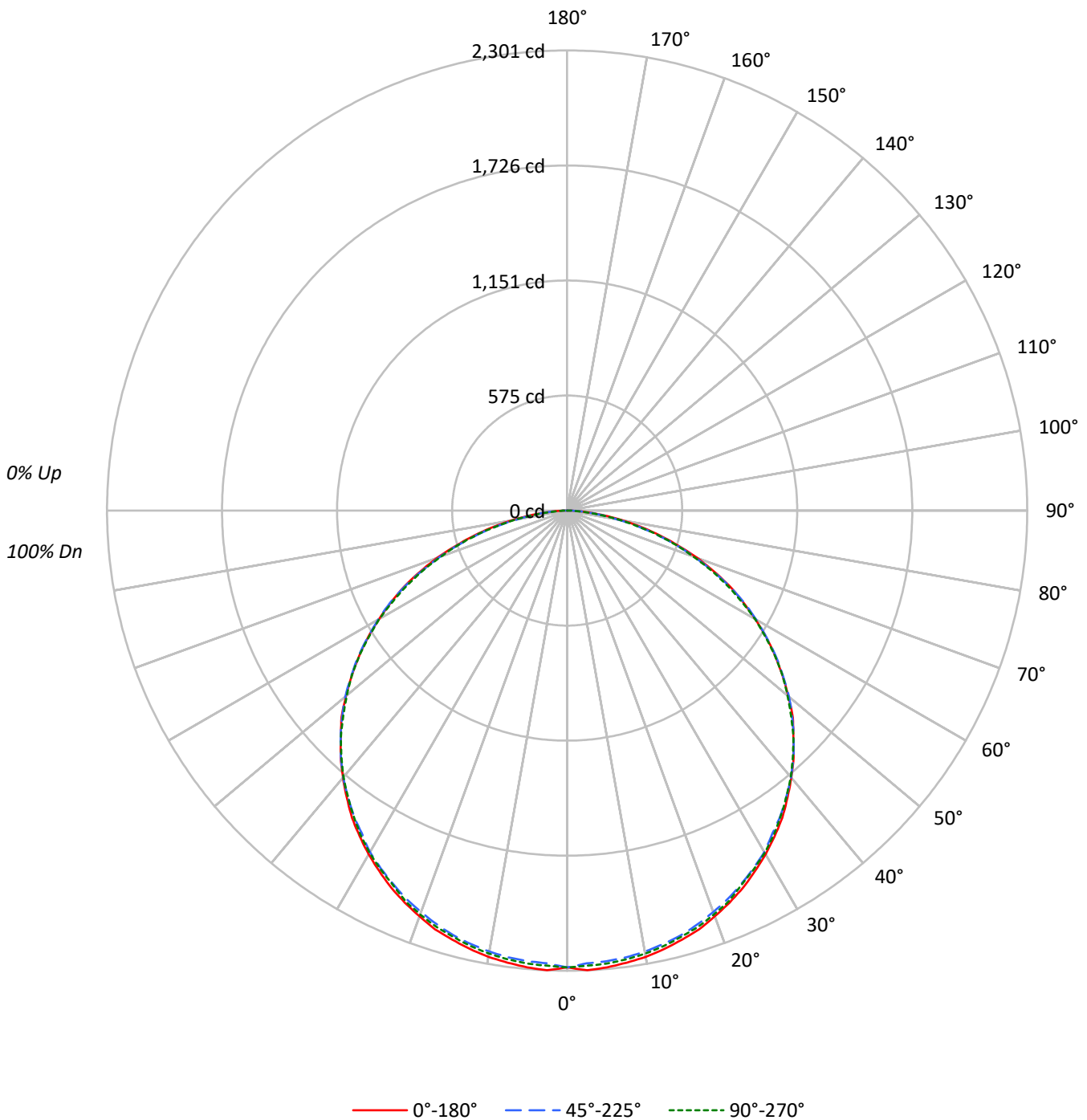
Lumens per Lamp: N/A
Luminaire Lumens: 6830.0 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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: P566703

CATALOG NUMBER: 4SNX-63SL-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566703

CATALOG NUMBER: 4SNX-63SL-UNV-L835-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°	24588	24588	24588
5°	24771	24438	24571
10°	24765	24473	24586
15°	24746	24494	24585
20°	24731	24472	24613
25°	24714	24471	24519
30°	24664	24510	24562
35°	24645	24455	24483
40°	24505	24477	24448
45°	24359	24391	24359
50°	24182	24251	24080
55°	23863	23940	23824
60°	23394	23483	23349
65°	22915	22760	22446
70°	21788	21335	21077
75°	19904	19222	19310
80°	17189	15918	16296
85°	12943	12437	11165



TEST NUMBER: P566703

CATALOG NUMBER: 4SNX-63SL-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.7	3.2
10°-20°	624.4	9.1
20°-30°	955.4	14.0
30°-40°	1168.2	17.1
40°-50°	1235.7	18.1
50°-60°	1138.5	16.7
60°-70°	877.3	12.8
70°-80°	491.6	7.2
80°-90°	122.2	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°	1796.5	26.3
0°-40°	2964.7	43.4
0°-60°	5338.9	78.2
0°-90°	6830.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6830.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2284	2284	2284	2284	2284	
5°	2292	2284	2262	2284	2274	218
15°	2221	2216	2198	2216	2206	627
25°	2081	2077	2060	2077	2064	959
35°	1876	1871	1861	1867	1863	1172
45°	1600	1606	1602	1600	1600	1236
55°	1272	1282	1276	1276	1270	1135
65°	900	900	894	871	881	885
75°	479	472	462	446	464	507
85°	105	99	101	101	90	129
90°	0	0	0	0	0	



TEST NUMBER: P566703

CATALOG NUMBER: 4SNX-63SL-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2284.3	2284.3	2284.3	2284.3	2284.3
2.5°	2300.7	2290.5	2265.8	2288.4	2278.1
5°	2292.5	2284.3	2261.7	2284.3	2274.0
7.5°	2280.2	2274.0	2253.5	2274.0	2263.7
10°	2265.8	2259.6	2239.1	2259.6	2249.4
12.5°	2245.3	2241.1	2220.6	2241.1	2230.9
15°	2220.6	2216.5	2198.0	2216.5	2206.2
17.5°	2196.0	2187.7	2169.3	2189.8	2181.6
20°	2159.0	2154.9	2136.4	2154.9	2148.7
22.5°	2122.0	2117.9	2101.5	2117.9	2113.8
25°	2080.9	2076.8	2060.4	2076.8	2064.5
27.5°	2033.7	2035.7	2017.2	2027.5	2021.3
30°	1984.4	1984.4	1972.0	1976.2	1976.2
32.5°	1931.0	1931.0	1912.5	1924.8	1922.7
35°	1875.5	1871.4	1861.1	1867.3	1863.2
37.5°	1809.8	1807.7	1801.5	1805.7	1801.5
40°	1744.0	1746.1	1742.0	1739.9	1739.9
42.5°	1676.2	1680.3	1674.2	1672.1	1670.1
45°	1600.2	1606.4	1602.3	1600.2	1600.2
47.5°	1530.4	1532.4	1526.3	1524.2	1518.1
50°	1444.1	1452.3	1448.2	1444.1	1438.0
52.5°	1357.8	1370.2	1361.9	1357.8	1357.8
55°	1271.6	1281.8	1275.7	1275.7	1269.5
57.5°	1181.2	1191.4	1183.2	1183.2	1175.0
60°	1086.7	1097.0	1090.8	1084.6	1084.6
62.5°	992.2	1000.4	998.3	988.1	981.9
65°	899.7	899.7	893.6	871.0	881.3
67.5°	795.0	792.9	784.7	762.1	776.5
70°	692.3	692.3	677.9	651.2	669.7
72.5°	581.3	587.5	569.0	550.5	569.0
75°	478.6	472.5	462.2	445.8	464.3
77.5°	380.0	369.8	357.4	349.2	359.5
80°	277.3	271.2	256.8	256.8	262.9
82.5°	189.0	182.8	172.6	174.6	166.4
85°	104.8	98.6	100.7	100.7	90.4
87.5°	43.1	43.1	43.1	39.0	34.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)