

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: P567916

Luminaire Tested: **8SNX-62SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567916
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: 8SNX-62SL-UNV-L840-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

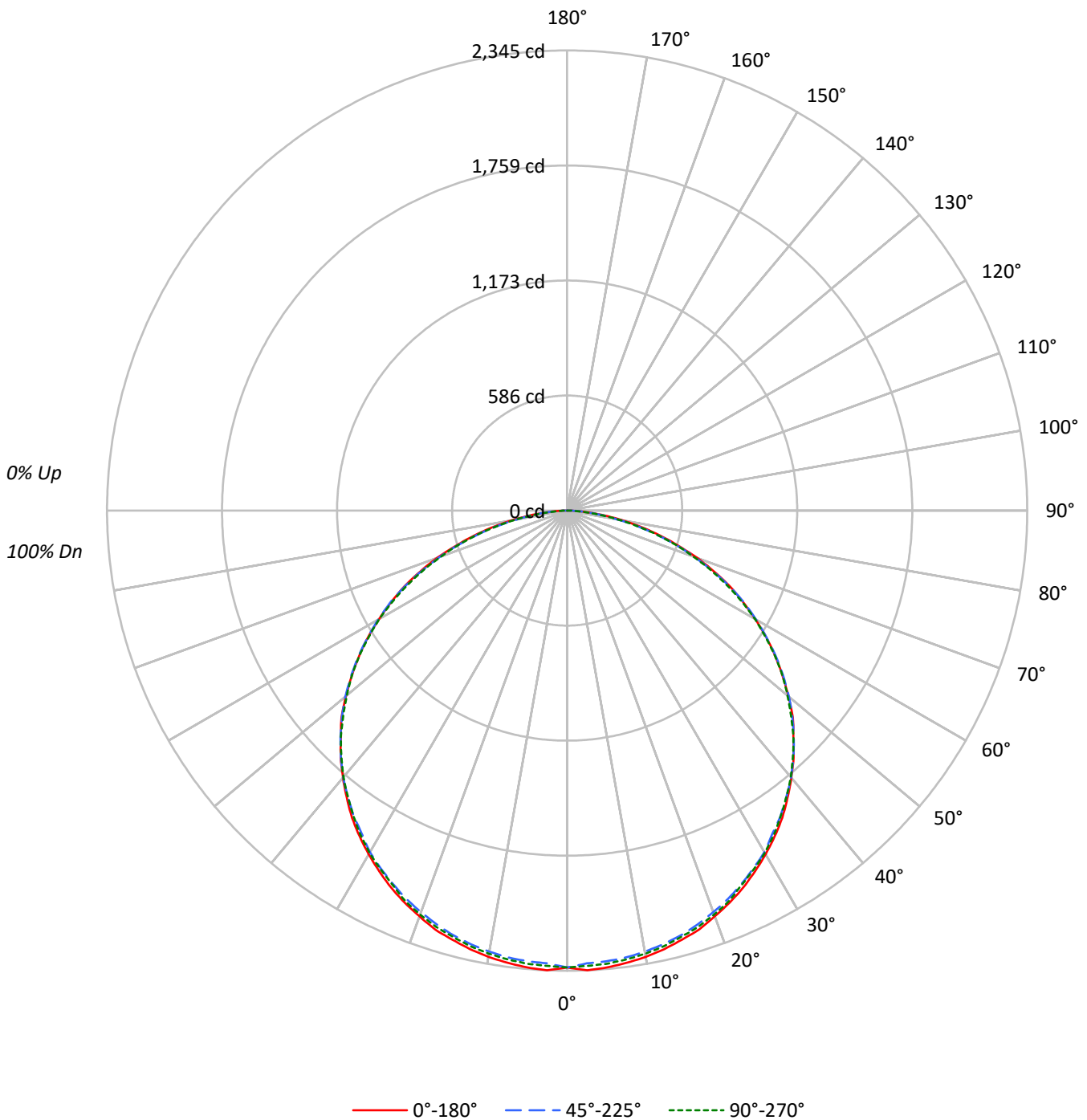
Lumens per Lamp: N/A
Luminaire Lumens: 6962.0 lumens
Efficiency: N/A
Efficacy: 178.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 39
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: P567916

CATALOG NUMBER: 8SNX-62SL-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567916

CATALOG NUMBER: 8SNX-62SL-UNV-L840-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°	12531	12531	12531
5°	12625	12455	12523
10°	12622	12473	12530
15°	12612	12484	12530
20°	12604	12472	12544
25°	12596	12472	12497
30°	12570	12492	12518
35°	12560	12464	12478
40°	12489	12475	12460
45°	12415	12431	12415
50°	12325	12360	12272
55°	12162	12201	12142
60°	11923	11968	11901
65°	11679	11600	11440
70°	11105	10873	10741
75°	10146	9796	9840
80°	8762	8111	8306
85°	6595	6336	5687



TEST NUMBER: P567916

CATALOG NUMBER: 8SNX-62SL-UNV-L840-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.9	3.2
10°-20°	636.5	9.1
20°-30°	973.9	14.0
30°-40°	1190.7	17.1
40°-50°	1259.6	18.1
50°-60°	1160.6	16.7
60°-70°	894.3	12.8
70°-80°	501.1	7.2
80°-90°	124.5	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°	1831.2	26.3
0°-40°	3022.0	43.4
0°-60°	5442.1	78.2
0°-90°	6962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6962.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2328	2328	2328	2328	2328	
5°	2337	2328	2305	2328	2318	222
15°	2264	2259	2240	2259	2249	640
25°	2121	2117	2100	2117	2104	978
35°	1912	1908	1897	1903	1899	1194
45°	1631	1637	1633	1631	1631	1260
55°	1296	1307	1300	1300	1294	1157
65°	917	917	911	888	898	902
75°	488	482	471	454	473	517
85°	107	100	103	103	92	132
90°	0	0	0	0	0	



TEST NUMBER: P567916

CATALOG NUMBER: 8SNX-62SL-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2328.4	2328.4	2328.4	2328.4	2328.4
2.5°	2345.2	2334.7	2309.6	2332.6	2322.2
5°	2336.8	2328.4	2305.4	2328.4	2318.0
7.5°	2324.2	2318.0	2297.0	2318.0	2307.5
10°	2309.6	2303.3	2282.4	2303.3	2292.8
12.5°	2288.7	2284.5	2263.5	2284.5	2274.0
15°	2263.5	2259.3	2240.5	2259.3	2248.9
17.5°	2238.4	2230.0	2211.2	2232.1	2223.7
20°	2200.7	2196.5	2177.7	2196.5	2190.2
22.5°	2163.0	2158.8	2142.1	2158.8	2154.6
25°	2121.1	2117.0	2100.2	2117.0	2104.4
27.5°	2073.0	2075.1	2056.2	2066.7	2060.4
30°	2022.7	2022.7	2010.2	2014.3	2014.3
32.5°	1968.3	1968.3	1949.4	1962.0	1959.9
35°	1911.7	1907.6	1897.1	1903.4	1899.2
37.5°	1844.7	1842.6	1836.4	1840.6	1836.4
40°	1777.7	1779.8	1775.6	1773.5	1773.5
42.5°	1708.6	1712.8	1706.5	1704.4	1702.4
45°	1631.2	1637.4	1633.3	1631.2	1631.2
47.5°	1560.0	1562.1	1555.8	1553.7	1547.4
50°	1472.0	1480.4	1476.2	1472.0	1465.7
52.5°	1384.1	1396.6	1388.3	1384.1	1384.1
55°	1296.1	1306.6	1300.3	1300.3	1294.0
57.5°	1204.0	1214.5	1206.1	1206.1	1197.7
60°	1107.7	1118.2	1111.9	1105.6	1105.6
62.5°	1011.4	1019.7	1017.6	1007.2	1000.9
65°	917.1	917.1	910.9	887.8	898.3
67.5°	810.3	808.3	799.9	776.8	791.5
70°	705.7	705.7	691.0	663.8	682.6
72.5°	592.6	598.9	580.0	561.2	580.0
75°	487.9	481.6	471.1	454.4	473.2
77.5°	387.4	376.9	364.3	356.0	366.4
80°	282.7	276.4	261.7	261.7	268.0
82.5°	192.6	186.4	175.9	178.0	169.6
85°	106.8	100.5	102.6	102.6	92.1
87.5°	44.0	44.0	44.0	39.8	35.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)