

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: P566709

Luminaire Tested: **4SNX-63SL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566709
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-L950-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

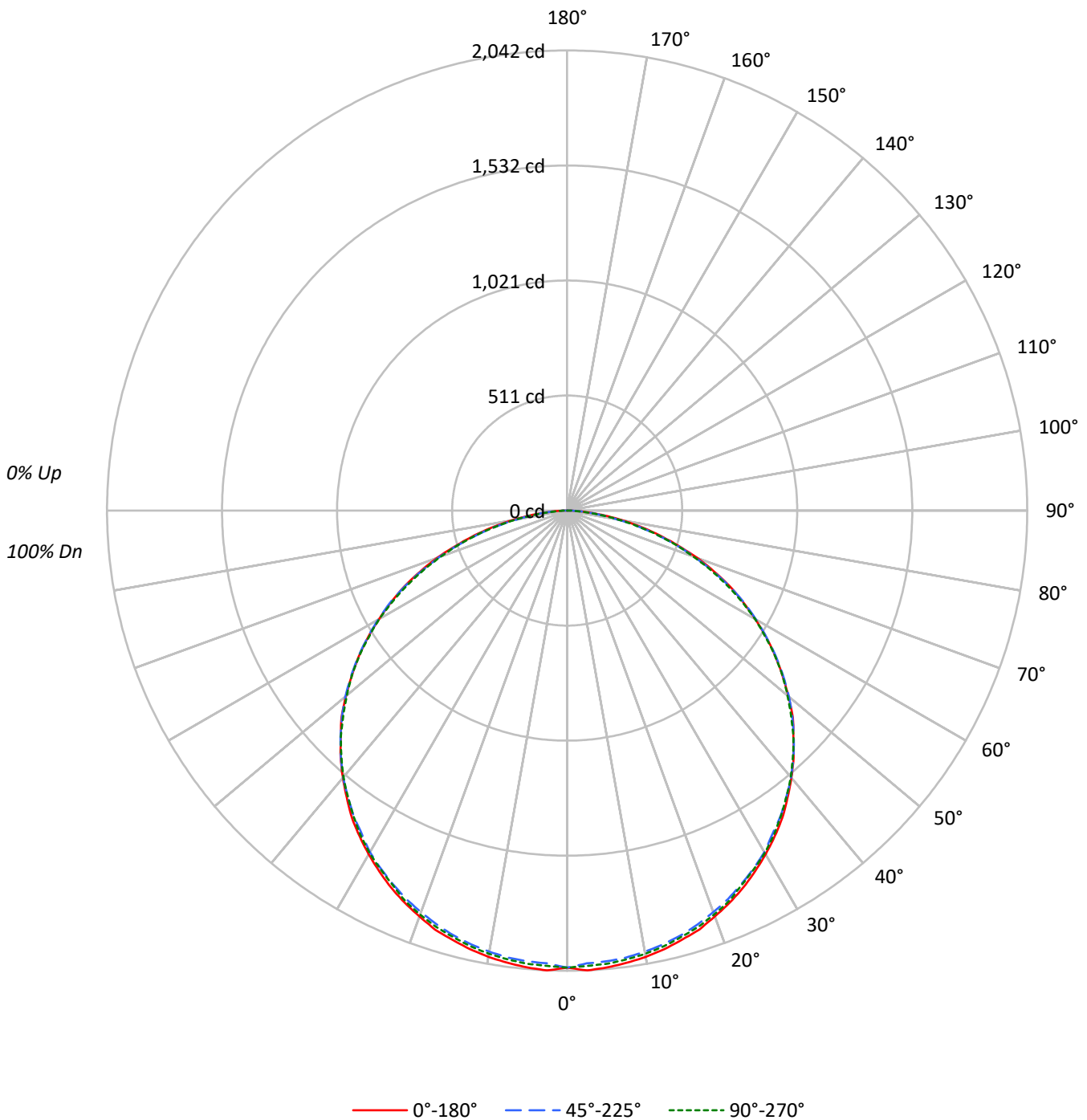
Lumens per Lamp: N/A
Luminaire Lumens: 6063.0 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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

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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°	21827	21827	21827
5°	21989	21693	21811
10°	21985	21724	21825
15°	21966	21743	21825
20°	21953	21724	21849
25°	21939	21722	21765
30°	21894	21758	21803
35°	21877	21709	21733
40°	21754	21729	21702
45°	21624	21652	21624
50°	21466	21528	21376
55°	21183	21251	21148
60°	20766	20845	20727
65°	20343	20202	19925
70°	19339	18940	18710
75°	17671	17064	17139
80°	15261	14127	14468
85°	11486	11041	9905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	3.2
10°-20°	554.3	9.1
20°-30°	848.1	14.0
30°-40°	1037.0	17.1
40°-50°	1096.9	18.1
50°-60°	1010.7	16.7
60°-70°	778.8	12.8
70°-80°	436.4	7.2
80°-90°	108.5	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°	1594.8	26.3
0°-40°	2631.7	43.4
0°-60°	4739.4	78.2
0°-90°	6063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2028	2028	2028	2028	2028	
5°	2035	2028	2008	2028	2019	193
15°	1971	1968	1951	1968	1958	557
25°	1847	1844	1829	1844	1833	851
35°	1665	1661	1652	1658	1654	1040
45°	1420	1426	1422	1420	1420	1097
55°	1129	1138	1132	1132	1127	1008
65°	799	799	793	773	782	786
75°	425	419	410	396	412	451
85°	93	88	89	89	80	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2027.8	2027.8	2027.8	2027.8	2027.8
2.5°	2042.4	2033.2	2011.4	2031.4	2022.3
5°	2035.1	2027.8	2007.7	2027.8	2018.6
7.5°	2024.1	2018.6	2000.4	2018.6	2009.5
10°	2011.4	2005.9	1987.6	2005.9	1996.8
12.5°	1993.1	1989.5	1971.2	1989.5	1980.4
15°	1971.2	1967.6	1951.2	1967.6	1958.5
17.5°	1949.4	1942.1	1925.6	1943.9	1936.6
20°	1916.5	1912.9	1896.5	1912.9	1907.4
22.5°	1883.7	1880.1	1865.5	1880.1	1876.4
25°	1847.2	1843.6	1829.0	1843.6	1832.6
27.5°	1805.3	1807.1	1790.7	1799.8	1794.4
30°	1761.5	1761.5	1750.6	1754.2	1754.2
32.5°	1714.1	1714.1	1697.7	1708.6	1706.8
35°	1664.9	1661.2	1652.1	1657.6	1653.9
37.5°	1606.5	1604.7	1599.2	1602.9	1599.2
40°	1548.2	1550.0	1546.4	1544.5	1544.5
42.5°	1488.0	1491.6	1486.2	1484.4	1482.5
45°	1420.5	1426.0	1422.4	1420.5	1420.5
47.5°	1358.5	1360.4	1354.9	1353.1	1347.6
50°	1281.9	1289.2	1285.6	1281.9	1276.5
52.5°	1205.4	1216.3	1209.0	1205.4	1205.4
55°	1128.8	1137.9	1132.4	1132.4	1126.9
57.5°	1048.5	1057.6	1050.4	1050.4	1043.1
60°	964.6	973.8	968.3	962.8	962.8
62.5°	880.8	888.1	886.2	877.1	871.6
65°	798.7	798.7	793.2	773.2	782.3
67.5°	705.7	703.9	696.6	676.5	689.3
70°	614.5	614.5	601.8	578.1	594.5
72.5°	516.1	521.5	505.1	488.7	505.1
75°	424.9	419.4	410.3	395.7	412.1
77.5°	337.4	328.2	317.3	310.0	319.1
80°	246.2	240.7	227.9	227.9	233.4
82.5°	167.8	162.3	153.2	155.0	147.7
85°	93.0	87.5	89.4	89.4	80.2
87.5°	38.3	38.3	38.3	34.6	31.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)