

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: P#

Luminaire Tested: **4SNLED-LD5-70HL-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-70HL-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

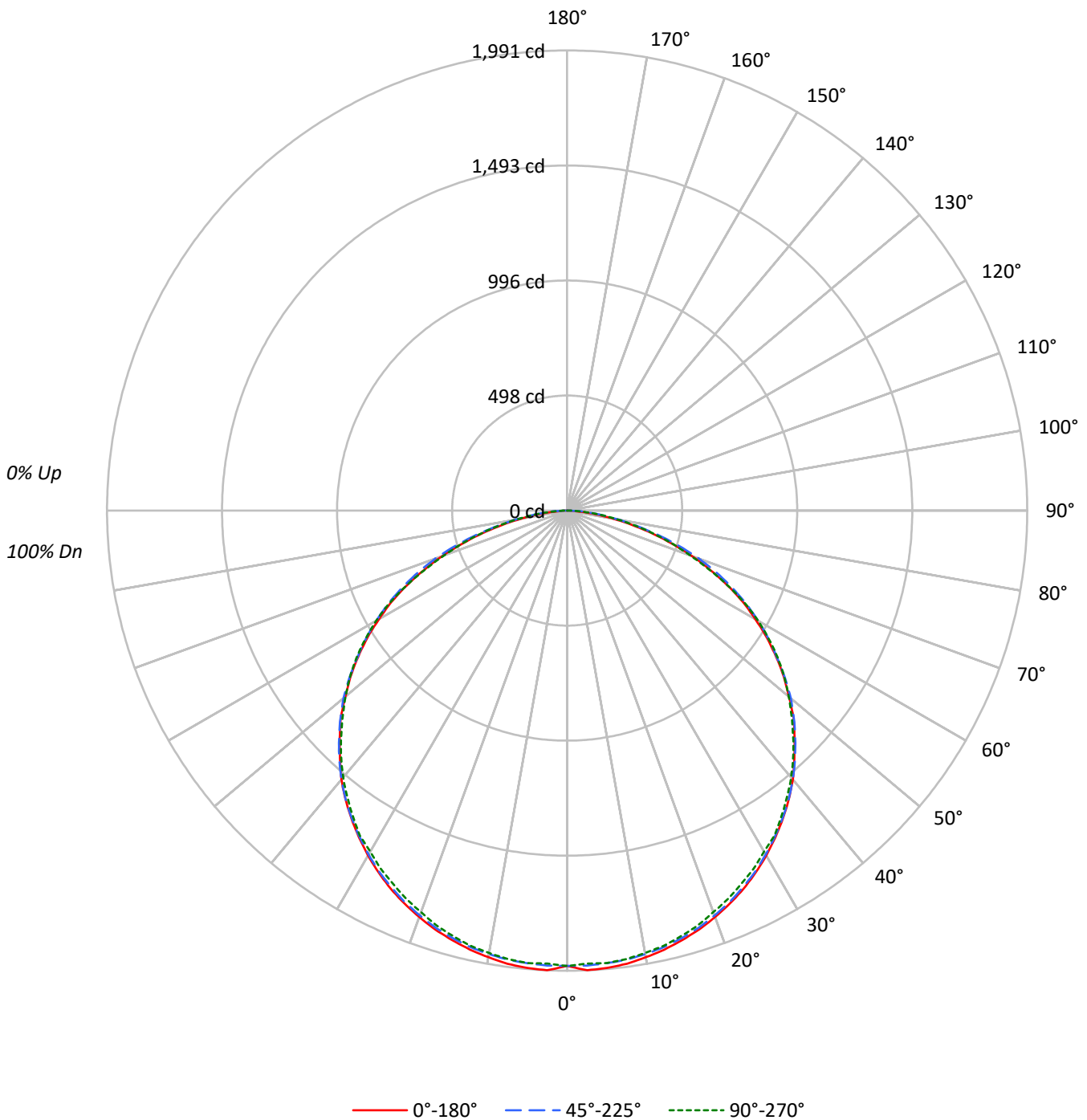
Lumens per Lamp: N/A
Luminaire Lumens: 5910.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 48
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	96	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	40	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°	15920	15920	15920
5°	16065	15558	15435
10°	16013	15217	14958
15°	15962	14875	14490
20°	15916	14510	13990
25°	15871	14144	13524
30°	15794	13751	13065
35°	15715	13343	12624
40°	15621	12906	12096
45°	15424	12388	11491
50°	15188	11825	10876
55°	14898	11071	10212
60°	14417	10305	9345
65°	13713	9308	8127
70°	12498	7998	6589
75°	10617	6103	5065
80°	7934	4019	3321
85°	4099	1958	1483



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.0	3.2
10°-20°	539.2	9.1
20°-30°	825.4	14.0
30°-40°	1011.3	17.1
40°-50°	1069.7	18.1
50°-60°	987.4	16.7
60°-70°	762.1	12.9
70°-80°	423.0	7.2
80°-90°	104.8	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°	1551.7	26.3
0°-40°	2563.0	43.4
0°-60°	4620.1	78.2
0°-90°	5910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5910.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1970	1970	1970	1970	1970	
5°	1986	1960	1966	1961	1965	189
15°	1924	1901	1915	1908	1906	543
25°	1806	1784	1799	1783	1782	832
35°	1628	1610	1625	1607	1616	1018
45°	1392	1379	1396	1381	1383	1074
55°	1105	1096	1108	1108	1113	986
65°	765	757	787	782	767	755
75°	380	402	405	404	390	403
85°	60	88	90	92	85	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1970.1	1970.1	1970.1	1970.1	1970.1
2.5°	1990.8	1965.2	1970.1	1967.2	1961.3
5°	1985.9	1960.3	1966.2	1961.3	1965.2
7.5°	1978.0	1950.4	1960.3	1953.4	1957.3
10°	1962.2	1938.6	1948.5	1940.6	1943.6
12.5°	1945.5	1920.9	1934.7	1924.9	1928.8
15°	1923.9	1901.3	1915.0	1908.1	1906.2
17.5°	1900.3	1878.6	1892.4	1884.5	1881.6
20°	1871.8	1851.1	1863.9	1852.1	1849.1
22.5°	1840.3	1819.6	1834.4	1817.7	1818.6
25°	1805.9	1784.2	1799.0	1783.2	1782.2
27.5°	1766.5	1745.9	1761.6	1744.9	1746.8
30°	1723.2	1702.6	1718.3	1701.6	1703.6
32.5°	1676.0	1659.3	1673.1	1657.3	1668.2
35°	1627.8	1610.1	1624.9	1607.2	1616.0
37.5°	1575.7	1559.0	1574.7	1555.0	1562.9
40°	1519.6	1504.9	1518.6	1500.9	1507.8
42.5°	1454.7	1445.9	1459.6	1441.9	1447.8
45°	1391.8	1379.0	1395.7	1380.9	1382.9
47.5°	1328.8	1315.0	1330.8	1318.0	1317.0
50°	1253.1	1248.2	1262.9	1253.1	1252.1
52.5°	1181.3	1171.4	1187.2	1182.3	1185.2
55°	1104.6	1095.7	1108.5	1107.5	1113.4
57.5°	1024.9	1016.0	1032.8	1030.8	1035.7
60°	940.3	933.4	955.1	950.1	954.1
62.5°	857.7	844.9	872.4	868.5	866.5
65°	765.2	757.4	786.9	781.9	767.2
67.5°	669.8	666.9	697.4	687.5	662.9
70°	574.4	576.4	605.9	587.2	566.5
72.5°	474.1	488.8	506.5	492.8	478.0
75°	379.7	402.3	405.2	404.3	389.5
77.5°	287.2	315.7	308.8	315.7	303.9
80°	200.7	232.1	227.2	233.1	223.3
82.5°	123.9	152.5	153.4	157.4	148.5
85°	60.0	88.5	90.5	91.5	84.6
87.5°	12.8	41.3	42.3	39.3	34.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)