

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1213188

Luminaire Tested: 4SNLED-LD5-85HL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213188
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4SNLED-LD5-85HL-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

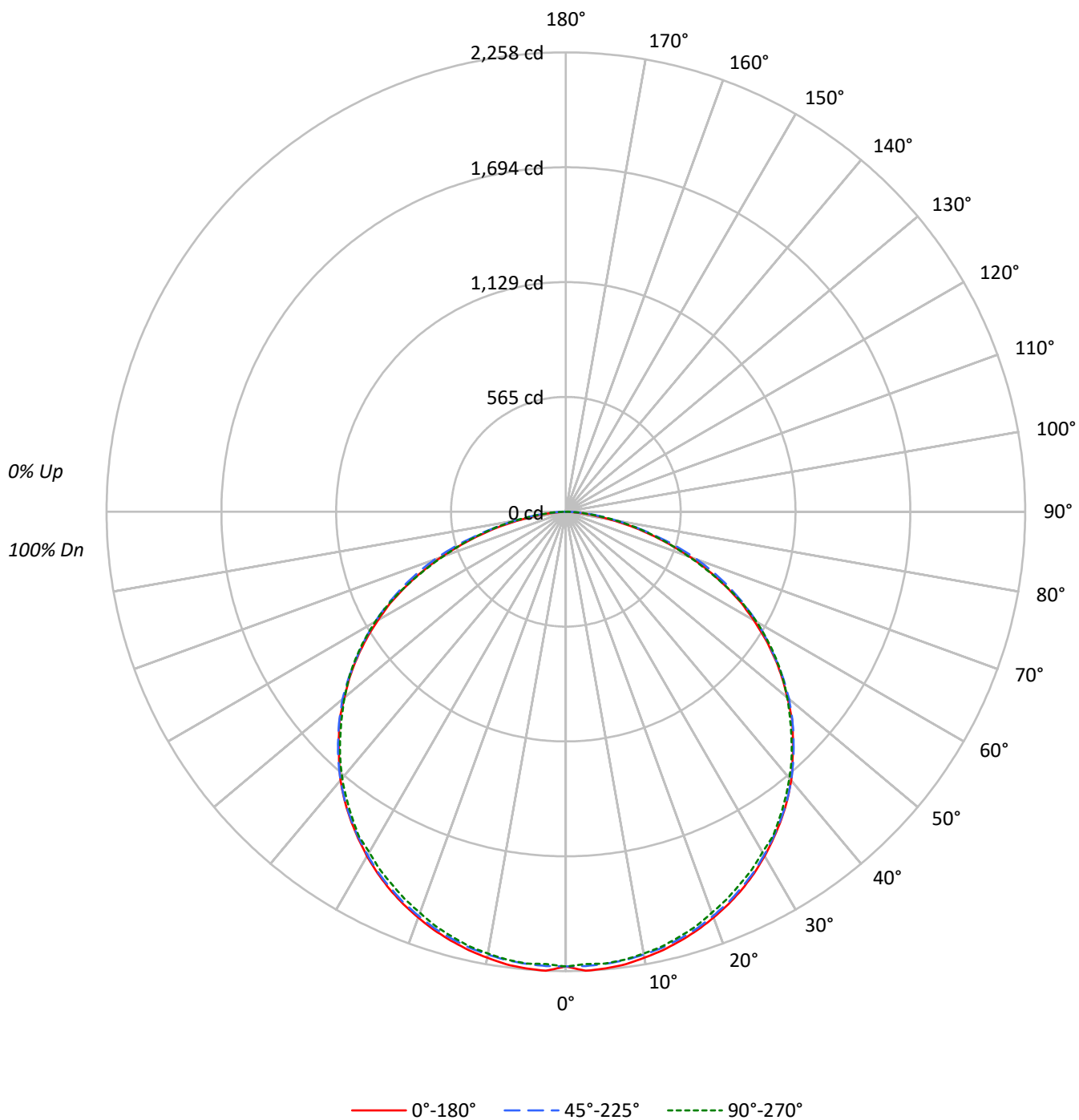
Lumens per Lamp: N/A
Luminaire Lumens: 6704.0 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 62
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	101	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18059	18059	18059
5°	18223	17648	17508
10°	18165	17261	16968
15°	18107	16874	16437
20°	18053	16460	15870
25°	18003	16045	15341
30°	17916	15599	14820
35°	17826	15136	14320
40°	17720	14641	13721
45°	17495	14053	13035
50°	17228	13414	12337
55°	16899	12558	11584
60°	16353	11689	10600
65°	15555	10558	9220
70°	14178	9072	7476
75°	12043	6924	5745
80°	8997	4559	3767
85°	4652	2219	1682

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17495 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.1	3.2
10°-20°	611.7	9.1
20°-30°	936.3	14.0
30°-40°	1147.2	17.1
40°-50°	1213.4	18.1
50°-60°	1120.0	16.7
60°-70°	864.5	12.9
70°-80°	479.8	7.2
80°-90°	118.9	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°	1760.1	26.3
0°-40°	2907.4	43.4
0°-60°	5240.8	78.2
0°-90°	6704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6704.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2235	2235	2235	2235	2235	
5°	2253	2224	2230	2225	2229	214
15°	2182	2157	2172	2164	2162	616
25°	2048	2024	2041	2023	2022	944
35°	1846	1826	1843	1823	1833	1155
45°	1579	1564	1583	1566	1569	1218
55°	1253	1243	1257	1256	1263	1118
65°	868	859	893	887	870	856
75°	431	456	460	459	442	457
85°	68	100	103	104	96	92
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2234.8	2234.8	2234.8	2234.8	2234.8
2.5°	2258.2	2229.2	2234.8	2231.4	2224.8
5°	2252.6	2223.6	2230.3	2224.8	2229.2
7.5°	2243.7	2212.5	2223.6	2215.8	2220.3
10°	2225.9	2199.1	2210.2	2201.3	2204.7
12.5°	2206.9	2179.0	2194.6	2183.5	2187.9
15°	2182.4	2156.7	2172.3	2164.5	2162.3
17.5°	2155.6	2131.0	2146.7	2137.7	2134.4
20°	2123.2	2099.8	2114.3	2100.9	2097.6
22.5°	2087.5	2064.1	2080.8	2061.9	2063.0
25°	2048.5	2023.9	2040.7	2022.8	2021.7
27.5°	2003.8	1980.4	1998.3	1979.3	1981.5
30°	1954.7	1931.3	1949.2	1930.2	1932.4
32.5°	1901.2	1882.2	1897.8	1880.0	1892.3
35°	1846.5	1826.4	1843.2	1823.1	1833.1
37.5°	1787.4	1768.4	1786.3	1764.0	1772.9
40°	1723.8	1707.1	1722.7	1702.6	1710.4
42.5°	1650.2	1640.1	1655.7	1635.7	1642.3
45°	1578.7	1564.2	1583.2	1566.5	1568.7
47.5°	1507.3	1491.7	1509.6	1495.1	1494.0
50°	1421.4	1415.9	1432.6	1421.4	1420.3
52.5°	1340.0	1328.8	1346.7	1341.1	1344.4
55°	1253.0	1242.9	1257.4	1256.3	1263.0
57.5°	1162.6	1152.5	1171.5	1169.3	1174.9
60°	1066.6	1058.8	1083.4	1077.8	1082.3
62.5°	972.9	958.4	989.6	985.2	983.0
65°	868.0	859.1	892.6	887.0	870.3
67.5°	759.8	756.5	791.0	779.9	752.0
70°	651.6	653.8	687.3	666.1	642.7
72.5°	537.8	554.5	574.6	559.0	542.2
75°	430.7	456.3	459.7	458.6	441.8
77.5°	325.8	358.1	350.3	358.1	344.8
80°	227.6	263.3	257.7	264.4	253.3
82.5°	140.6	172.9	174.1	178.5	168.5
85°	68.1	100.4	102.6	103.8	96.0
87.5°	14.5	46.9	48.0	44.6	39.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)