

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: P1213539

Luminaire Tested: 4SNLED-LD5-85HL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213539
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-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

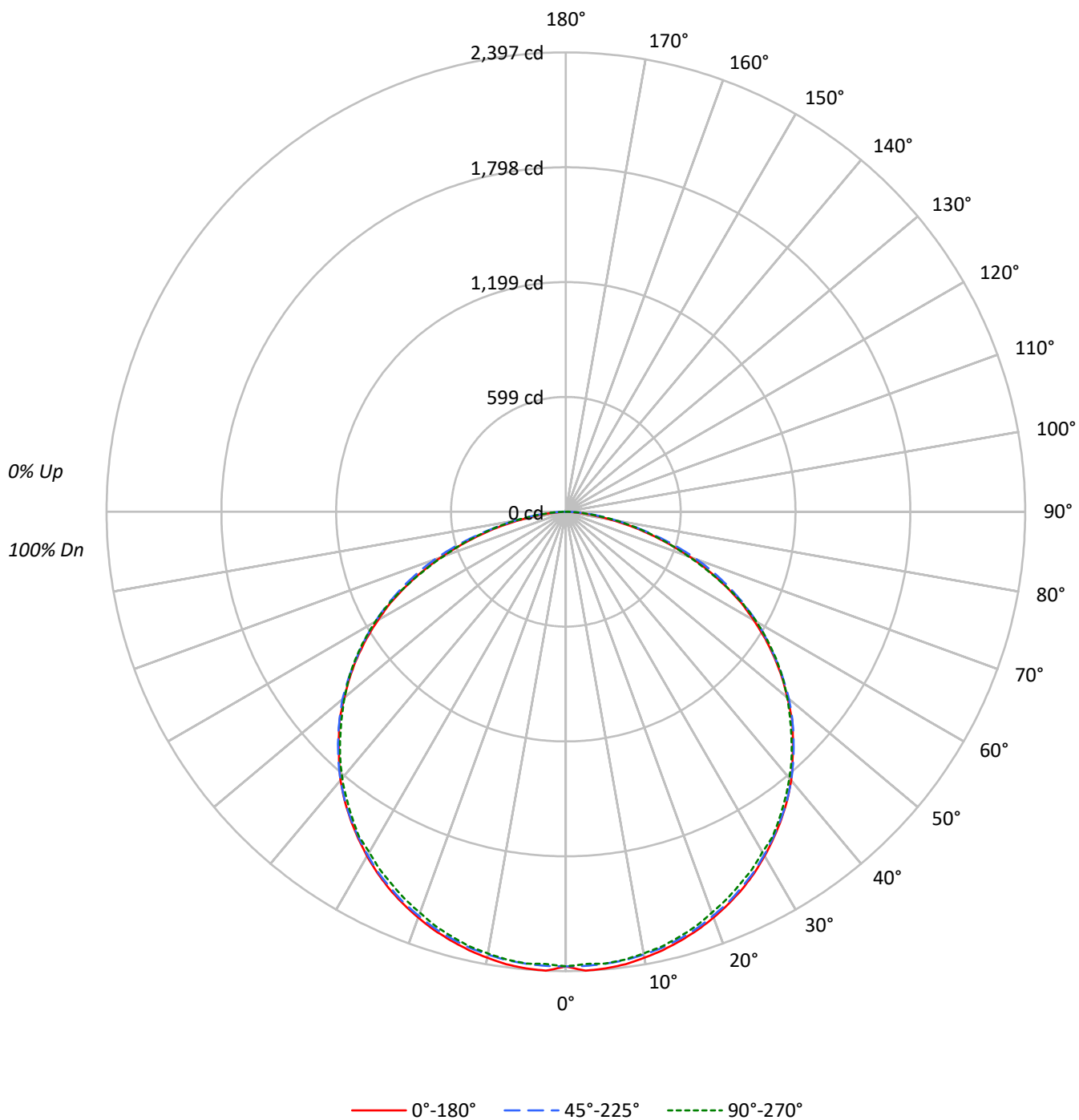
Lumens per Lamp: N/A
Luminaire Lumens: 7116.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	19169	19169	19169
5°	19343	18733	18584
10°	19281	18322	18011
15°	19219	17911	17447
20°	19163	17471	16846
25°	19109	17030	16283
30°	19018	16558	15731
35°	18922	16066	15200
40°	18808	15540	14564
45°	18571	14916	13836
50°	18287	14238	13095
55°	17938	13330	12296
60°	17359	12406	11252
65°	16512	11206	9785
70°	15049	9629	7935
75°	12781	7348	6099
80°	9551	4840	3998
85°	4932	2358	1784

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18571 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.2	3.2
10°-20°	649.3	9.1
20°-30°	993.9	14.0
30°-40°	1217.7	17.1
40°-50°	1288.0	18.1
50°-60°	1188.9	16.7
60°-70°	917.6	12.9
70°-80°	509.3	7.2
80°-90°	126.2	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°	1868.3	26.3
0°-40°	3086.0	43.4
0°-60°	5562.9	78.2
0°-90°	7116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7116.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2372	2372	2372	2372	2372	
5°	2391	2360	2367	2362	2366	227
15°	2316	2289	2306	2298	2295	654
25°	2174	2148	2166	2147	2146	1002
35°	1960	1939	1956	1935	1946	1226
45°	1676	1660	1680	1663	1665	1293
55°	1330	1319	1335	1334	1341	1187
65°	921	912	947	942	924	909
75°	457	484	488	487	469	485
85°	72	107	109	110	102	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2372.1	2372.1	2372.1	2372.1	2372.1
2.5°	2397.0	2366.2	2372.1	2368.6	2361.5
5°	2391.1	2360.3	2367.4	2361.5	2366.2
7.5°	2381.6	2348.5	2360.3	2352.0	2356.7
10°	2362.7	2334.2	2346.1	2336.6	2340.2
12.5°	2342.5	2312.9	2329.5	2317.7	2322.4
15°	2316.5	2289.2	2305.8	2297.5	2295.2
17.5°	2288.1	2262.0	2278.6	2269.1	2265.6
20°	2253.7	2228.8	2244.2	2230.0	2226.5
22.5°	2215.8	2190.9	2208.7	2188.6	2189.8
25°	2174.4	2148.3	2166.1	2147.1	2145.9
27.5°	2127.0	2102.1	2121.1	2100.9	2103.3
30°	2074.9	2050.0	2069.0	2048.8	2051.2
32.5°	2018.0	1997.9	2014.5	1995.5	2008.6
35°	1960.0	1938.7	1956.4	1935.1	1945.8
37.5°	1897.2	1877.1	1896.1	1872.4	1881.8
40°	1829.7	1812.0	1828.5	1807.2	1815.5
42.5°	1751.6	1740.9	1757.5	1736.2	1743.3
45°	1675.8	1660.4	1680.5	1662.7	1665.1
47.5°	1600.0	1583.4	1602.3	1587.0	1585.8
50°	1508.8	1502.9	1520.6	1508.8	1507.6
52.5°	1422.3	1410.5	1429.4	1423.5	1427.1
55°	1330.0	1319.3	1334.7	1333.5	1340.6
57.5°	1234.0	1223.4	1243.5	1241.1	1247.1
60°	1132.2	1123.9	1149.9	1144.0	1148.8
62.5°	1032.7	1017.3	1050.5	1045.7	1043.4
65°	921.4	911.9	947.4	941.5	923.7
67.5°	806.5	802.9	839.7	827.8	798.2
70°	691.6	694.0	729.5	707.0	682.2
72.5°	570.8	588.6	609.9	593.3	575.6
75°	457.1	484.4	487.9	486.7	469.0
77.5°	345.8	380.2	371.9	380.2	365.9
80°	241.6	279.5	273.6	280.7	268.8
82.5°	149.2	183.6	184.7	189.5	178.8
85°	72.2	106.6	109.0	110.1	101.8
87.5°	15.4	49.7	50.9	47.4	41.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)