

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: P1213890

Luminaire Tested: 4SNLED-LD5-85HL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213890
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-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

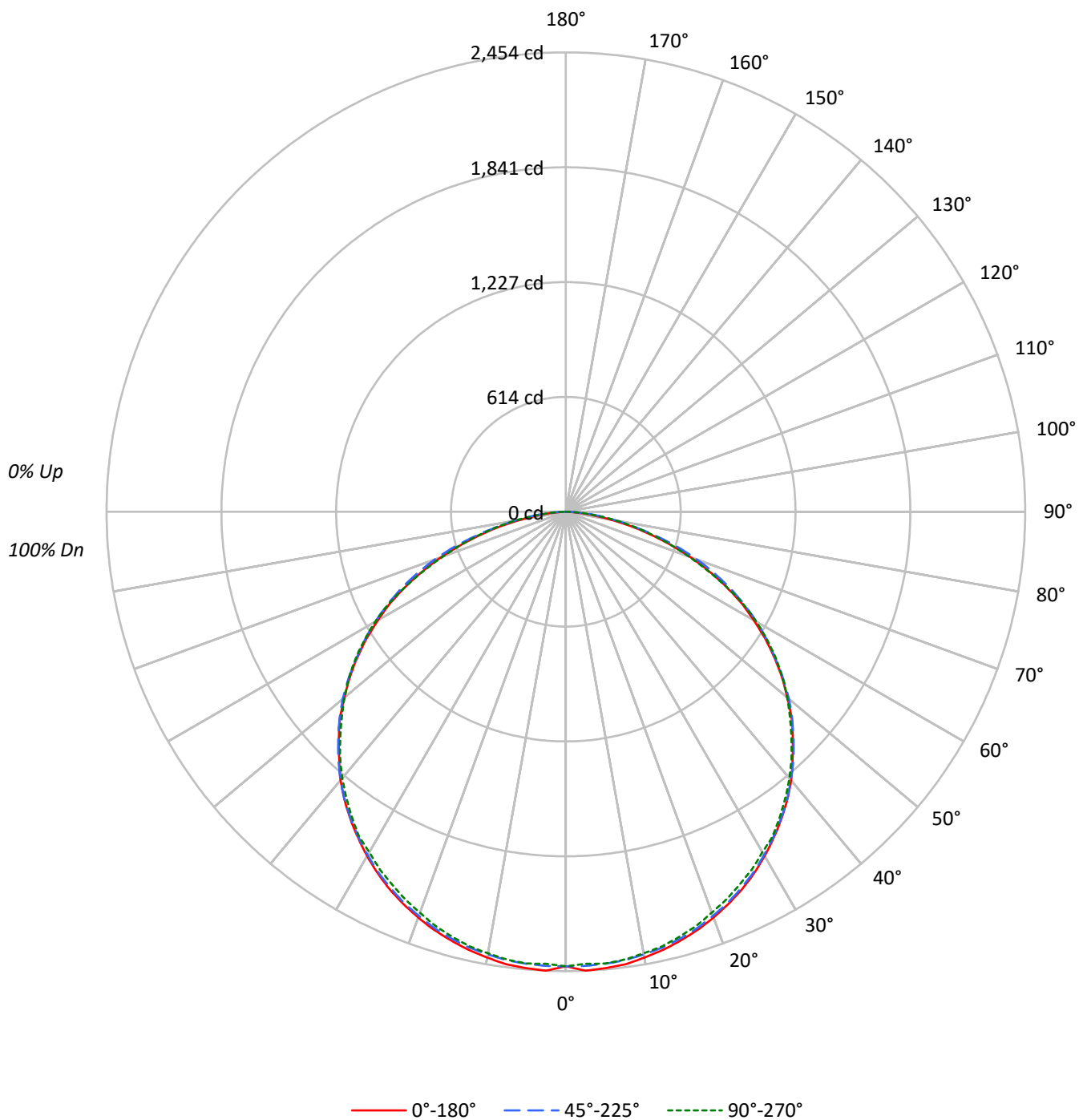
Lumens per Lamp: N/A
Luminaire Lumens: 7284.0 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	19622	19622	19622
5°	19800	19175	19023
10°	19736	18755	18436
15°	19673	18334	17858
20°	19615	17884	17243
25°	19560	17432	16668
30°	19467	16948	16102
35°	19369	16445	15559
40°	19252	15907	14908
45°	19009	15269	14162
50°	18719	14574	13404
55°	18361	13645	12587
60°	17768	12700	11517
65°	16901	11471	10017
70°	15405	9856	8122
75°	13083	7522	6243
80°	9776	4953	4093
85°	5049	2412	1828

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.5	3.2
10°-20°	664.6	9.1
20°-30°	1017.3	14.0
30°-40°	1246.5	17.1
40°-50°	1318.4	18.1
50°-60°	1216.9	16.7
60°-70°	939.3	12.9
70°-80°	521.3	7.2
80°-90°	129.1	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°	1912.4	26.3
0°-40°	3158.9	43.4
0°-60°	5694.2	78.2
0°-90°	7284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7284.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2428	2428	2428	2428	2428	
5°	2448	2416	2423	2417	2422	233
15°	2371	2343	2360	2352	2349	670
25°	2226	2199	2217	2198	2197	1026
35°	2006	1984	2003	1981	1992	1255
45°	1715	1700	1720	1702	1704	1324
55°	1361	1350	1366	1365	1372	1215
65°	943	933	970	964	946	930
75°	468	496	499	498	480	496
85°	74	109	112	113	104	99
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2428.1	2428.1	2428.1	2428.1	2428.1
2.5°	2453.6	2422.1	2428.1	2424.5	2417.2
5°	2447.5	2416.0	2423.3	2417.2	2422.1
7.5°	2437.8	2403.9	2416.0	2407.5	2412.4
10°	2418.4	2389.3	2401.5	2391.8	2395.4
12.5°	2397.8	2367.5	2384.5	2372.4	2377.2
15°	2371.2	2343.3	2360.3	2351.8	2349.3
17.5°	2342.1	2315.4	2332.4	2322.7	2319.0
20°	2306.9	2281.5	2297.2	2282.7	2279.0
22.5°	2268.1	2242.7	2260.8	2240.2	2241.5
25°	2225.7	2199.0	2217.2	2197.8	2196.6
27.5°	2177.2	2151.7	2171.1	2150.5	2153.0
30°	2123.9	2098.4	2117.8	2097.2	2099.6
32.5°	2065.7	2045.1	2062.0	2042.6	2056.0
35°	2006.3	1984.5	2002.6	1980.8	1991.7
37.5°	1942.0	1921.4	1940.8	1916.6	1926.3
40°	1872.9	1854.7	1871.7	1849.9	1858.4
42.5°	1792.9	1782.0	1799.0	1777.2	1784.4
45°	1715.3	1699.6	1720.2	1702.0	1704.4
47.5°	1637.8	1620.8	1640.2	1624.4	1623.2
50°	1544.4	1538.3	1556.5	1544.4	1543.2
52.5°	1455.9	1443.8	1463.2	1457.1	1460.8
55°	1361.4	1350.4	1366.2	1365.0	1372.3
57.5°	1263.2	1252.3	1272.9	1270.4	1276.5
60°	1158.9	1150.4	1177.1	1171.0	1175.9
62.5°	1057.1	1041.3	1075.3	1070.4	1068.0
65°	943.1	933.4	969.8	963.7	945.6
67.5°	825.5	821.9	859.5	847.4	817.1
70°	708.0	710.4	746.7	723.7	698.3
72.5°	584.3	602.5	624.3	607.3	589.2
75°	467.9	495.8	499.4	498.2	480.1
77.5°	354.0	389.1	380.6	389.1	374.6
80°	247.3	286.1	280.0	287.3	275.2
82.5°	152.7	187.9	189.1	194.0	183.0
85°	73.9	109.1	111.5	112.7	104.3
87.5°	15.8	50.9	52.1	48.5	42.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)