

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: P1214241

Luminaire Tested: 4SNLED-LD5-85HL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214241
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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

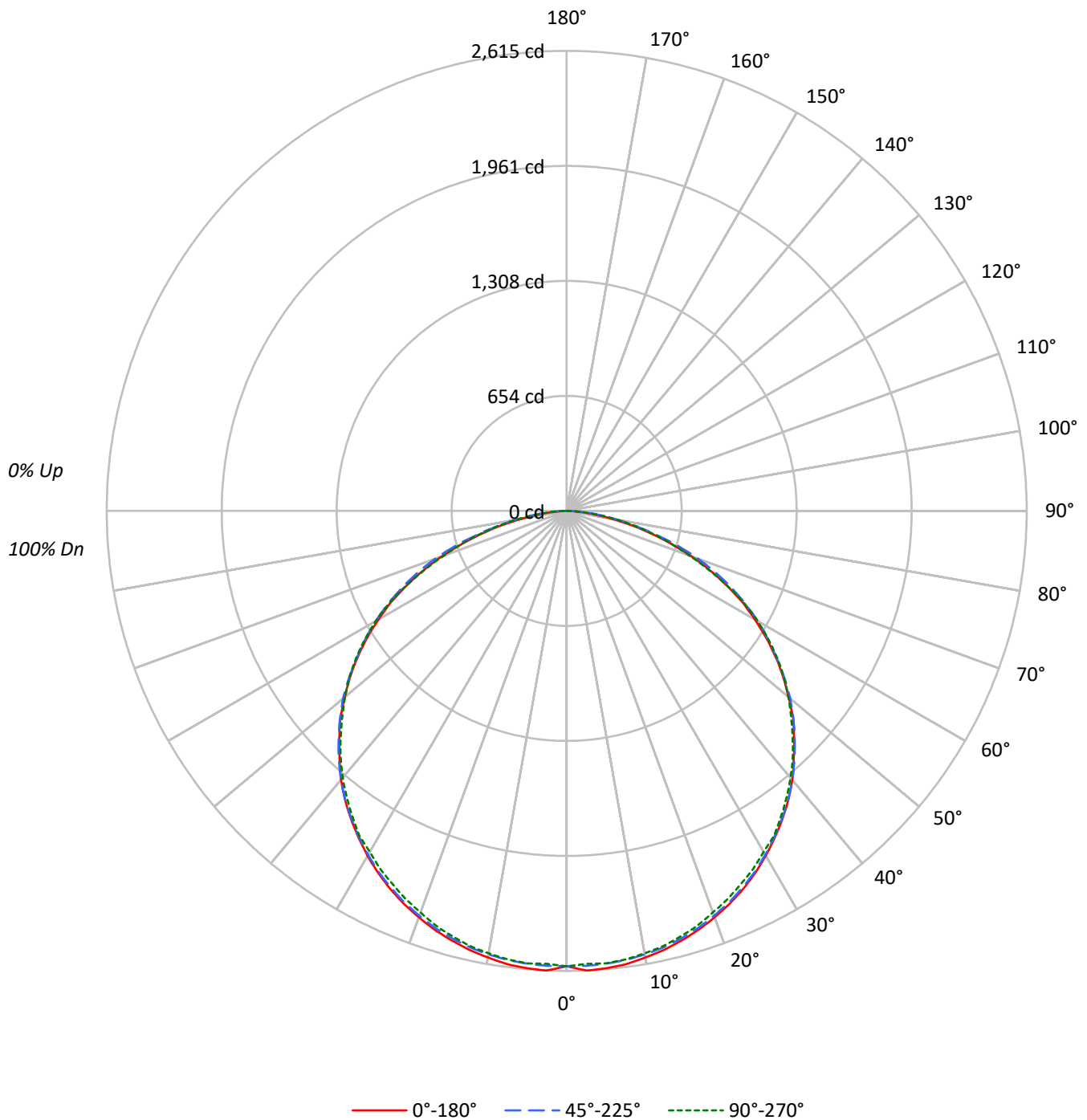
Lumens per Lamp: N/A
Luminaire Lumens: 7764.0 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	20914	20914	20914
5°	21105	20439	20277
10°	21037	19991	19651
15°	20969	19542	19036
20°	20908	19062	18379
25°	20849	18581	17767
30°	20750	18065	17163
35°	20645	17529	16585
40°	20522	16956	15890
45°	20262	16274	15095
50°	19953	15535	14288
55°	19571	14544	13416
60°	18940	13537	12276
65°	18015	12227	10677
70°	16419	10507	8657
75°	13947	8019	6654
80°	10420	5281	4362
85°	5383	2572	1947

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20262 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.7	3.2
10°-20°	708.4	9.1
20°-30°	1084.4	14.0
30°-40°	1328.6	17.1
40°-50°	1405.3	18.1
50°-60°	1297.1	16.7
60°-70°	1001.2	12.9
70°-80°	555.7	7.2
80°-90°	137.7	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°	2038.4	26.3
0°-40°	3367.0	43.4
0°-60°	6069.5	78.2
0°-90°	7764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7764.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2588	2588	2588	2588	2588	
5°	2609	2575	2583	2576	2582	248
15°	2527	2498	2516	2507	2504	714
25°	2372	2344	2363	2343	2341	1093
35°	2138	2115	2135	2111	2123	1338
45°	1828	1812	1834	1814	1817	1411
55°	1451	1439	1456	1455	1463	1295
65°	1005	995	1034	1027	1008	991
75°	499	528	532	531	512	529
85°	79	116	119	120	111	106
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2588.1	2588.1	2588.1	2588.1	2588.1
2.5°	2615.3	2581.7	2588.1	2584.3	2576.5
5°	2608.8	2575.2	2583.0	2576.5	2581.7
7.5°	2598.5	2562.3	2575.2	2566.2	2571.4
10°	2577.8	2546.8	2559.7	2549.4	2553.3
12.5°	2555.8	2523.5	2541.6	2528.7	2533.9
15°	2527.4	2497.7	2515.8	2506.7	2504.2
17.5°	2496.4	2468.0	2486.1	2475.7	2471.9
20°	2458.9	2431.8	2448.6	2433.1	2429.2
22.5°	2417.6	2390.5	2409.8	2387.9	2389.2
25°	2372.4	2343.9	2363.3	2342.6	2341.4
27.5°	2320.7	2293.5	2314.2	2292.2	2294.8
30°	2263.8	2236.7	2257.4	2235.4	2238.0
32.5°	2201.8	2179.8	2197.9	2177.2	2191.5
35°	2138.5	2115.2	2134.6	2111.4	2123.0
37.5°	2070.0	2048.0	2068.7	2042.9	2053.2
40°	1996.4	1977.0	1995.1	1971.8	1980.8
42.5°	1911.1	1899.4	1917.5	1894.3	1902.0
45°	1828.4	1811.6	1833.5	1814.2	1816.7
47.5°	1745.7	1727.6	1748.3	1731.5	1730.2
50°	1646.2	1639.7	1659.1	1646.2	1644.9
52.5°	1551.9	1538.9	1559.6	1553.1	1557.0
55°	1451.1	1439.4	1456.2	1454.9	1462.7
57.5°	1346.4	1334.8	1356.7	1354.2	1360.6
60°	1235.3	1226.2	1254.7	1248.2	1253.4
62.5°	1126.7	1109.9	1146.1	1141.0	1138.4
65°	1005.3	994.9	1033.7	1027.2	1007.9
67.5°	879.9	876.1	916.1	903.2	870.9
70°	754.6	757.2	796.0	771.4	744.3
72.5°	622.8	642.2	665.5	647.4	628.0
75°	498.8	528.5	532.4	531.1	511.7
77.5°	377.3	414.8	405.7	414.8	399.3
80°	263.6	304.9	298.5	306.2	293.3
82.5°	162.8	200.3	201.6	206.7	195.1
85°	78.8	116.3	118.9	120.2	111.1
87.5°	16.8	54.3	55.6	51.7	45.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)