

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-LD5-73SL-SLC-UNV-L950-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-73SL-SLC-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

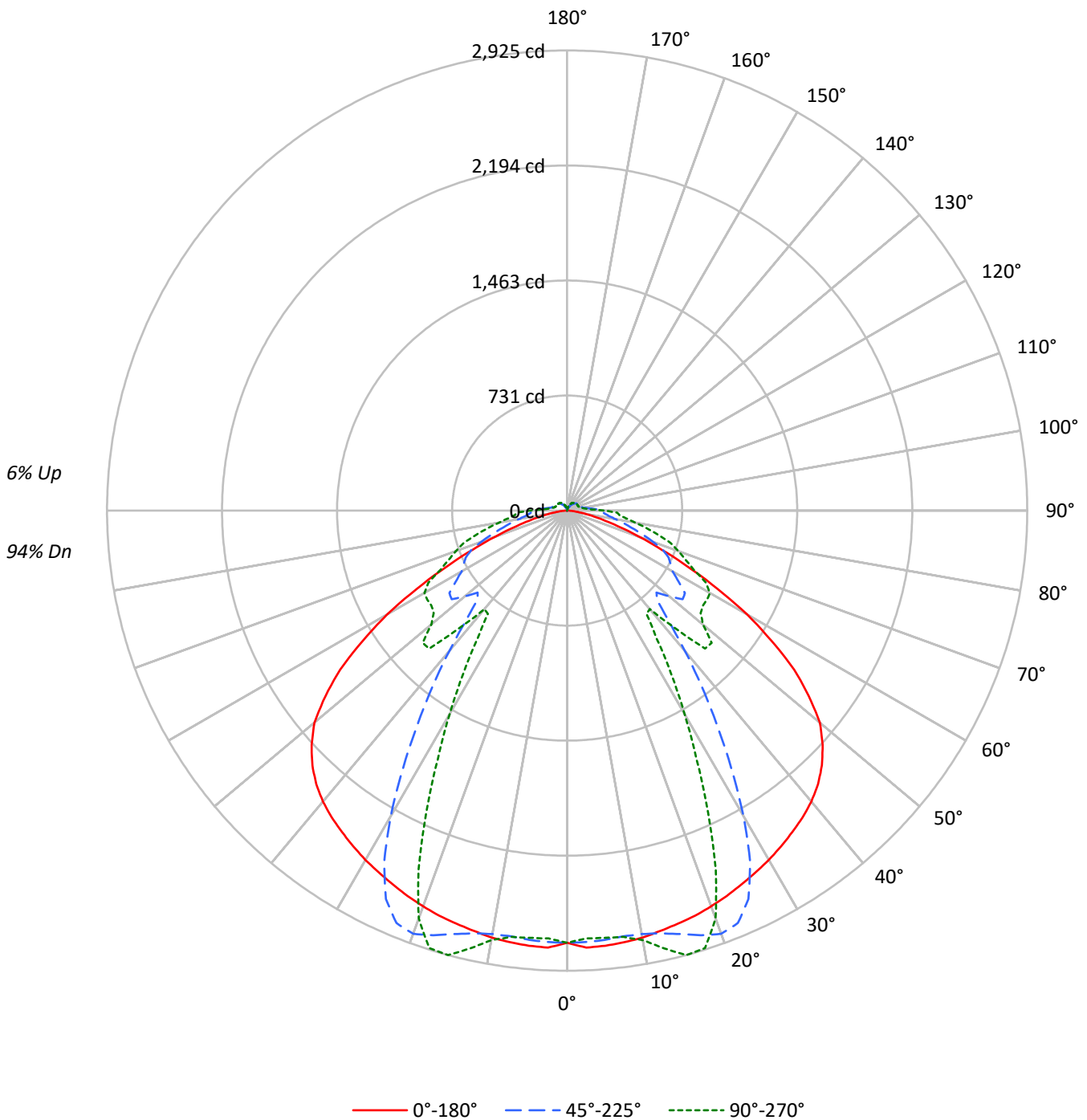
Lumens per Lamp: N/A
Luminaire Lumens: 7055.0 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 70
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



TEST NUMBER: P#
CATALOG NUMBER: 4SNLED-LD5-73SL-SLC-UNV-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-73SL-SLC-UNV-L950-CD1-U

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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94				
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78				
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66				
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56				
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49				
5	76	64	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43				
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38				
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34				
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30				
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28				
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22194	22194	22194
5°	22464	21674	21408
10°	22493	21345	21334
15°	22554	21645	22236
20°	22763	22290	20871
25°	23047	21422	16071
30°	23502	17941	11431
35°	24084	13588	7741
40°	24820	9878	6554
45°	25383	7166	10304
50°	25419	7935	9779
55°	23760	9132	9657
60°	20243	8356	10264
65°	15229	8426	9389
70°	10688	7670	8740
75°	7004	6427	7842
80°	4471	5505	6528
85°	2412	5232	5859



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-73SL-SLC-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.3	3.7
10°-20°	789.1	11.2
20°-30°	1146.3	16.2
30°-40°	1095.2	15.5
40°-50°	1001.8	14.2
50°-60°	925.0	13.1
60°-70°	734.7	10.4
70°-80°	453.5	6.4
80°-90°	246.9	3.5
90°-100°	124.8	1.8
100°-110°	78.4	1.1
110°-120°	66.4	0.9
120°-130°	54.3	0.8
130°-140°	38.9	0.6
140°-150°	24.0	0.3
150°-160°	11.4	0.2
160°-170°	3.0	0.0
170°-180°	0.0	0.0
0°-30°	2196.6	31.1
0°-40°	3291.8	46.7
0°-60°	5218.6	74.0
0°-90°	6653.8	94.3
90°-120°	269.7	3.8
90°-150°	386.9	5.5
90°-180°	401.0	5.7
0°-180°	7055.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2746	2746	2746	2746	2746	
5°	2777	2734	2739	2725	2726	264
15°	2718	2682	2787	2890	2925	769
25°	2622	2674	2725	2306	2118	1212
35°	2495	2455	1655	1139	991	1564
45°	2290	1598	807	1030	1240	1760
55°	1762	819	914	984	1053	1552
65°	850	531	712	866	886	859
75°	250	283	427	565	603	284
85°	35	120	242	330	334	45
90°	1	90	216	256	237	2
95°	0	84	150	132	125	0
105°	0	75	92	84	83	0
115°	0	62	89	79	75	1
125°	1	50	79	77	73	1
135°	1	35	63	69	67	1
145°	1	22	44	56	60	1
155°	2	13	27	35	43	1
165°	2	7	13	17	23	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-73SL-SLC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2746.4	2746.4	2746.4	2746.4	2746.4
2.5°	2780.5	2740.4	2745.2	2736.7	2722.1
5°	2776.8	2734.3	2739.1	2724.6	2725.8
7.5°	2767.1	2723.3	2729.4	2727.0	2733.1
10°	2756.2	2710.0	2733.1	2753.7	2772.0
12.5°	2736.7	2695.4	2751.3	2812.1	2849.8
15°	2718.5	2682.0	2786.6	2889.9	2925.2
17.5°	2700.2	2677.1	2830.3	2920.3	2915.4
20°	2677.1	2674.7	2863.2	2832.8	2758.6
22.5°	2651.6	2675.9	2837.6	2615.1	2469.2
25°	2622.4	2673.5	2724.6	2306.3	2117.9
27.5°	2593.3	2662.6	2519.1	1968.3	1782.3
30°	2564.1	2633.4	2241.9	1659.5	1490.5
32.5°	2530.0	2570.2	1940.4	1386.0	1230.4
35°	2494.8	2454.7	1654.7	1139.2	990.9
37.5°	2458.3	2288.1	1398.1	922.8	827.9
40°	2414.5	2079.0	1162.3	791.5	817.0
42.5°	2359.8	1843.1	954.4	830.4	1007.9
45°	2290.5	1597.5	807.3	1029.8	1240.1
47.5°	2203.0	1361.7	770.8	1179.3	1245.0
50°	2097.2	1145.3	847.4	1130.7	1125.8
52.5°	1936.7	965.3	925.2	1031.0	1069.9
55°	1761.7	819.4	914.3	983.6	1052.9
57.5°	1540.4	721.0	838.9	973.8	1054.1
60°	1320.3	655.3	774.5	972.6	1048.0
62.5°	1077.2	595.7	741.6	949.5	994.5
65°	849.8	531.3	712.4	865.6	886.3
67.5°	651.7	465.6	661.4	772.0	813.4
70°	491.2	401.2	581.1	700.3	751.4
72.5°	353.8	340.4	498.5	637.1	690.6
75°	250.5	283.3	426.7	565.3	603.0
77.5°	172.6	231.0	365.9	486.3	516.7
80°	113.1	184.8	311.2	418.2	438.9
82.5°	68.1	148.3	269.9	365.9	376.9
85°	35.3	120.4	241.9	329.5	334.3
87.5°	10.9	100.9	226.1	312.5	318.5
90°	1.2	90.0	216.4	256.5	237.1
92.5°	0.0	85.1	187.2	175.1	156.8
95°	0.0	83.9	149.5	132.5	125.2
97.5°	0.0	81.5	122.8	110.6	107.0
100°	0.0	79.0	105.8	97.3	96.0
102.5°	0.0	77.8	96.0	88.8	87.5
105°	0.0	75.4	92.4	83.9	82.7
107.5°	0.0	71.7	90.0	81.5	79.0
110°	0.0	68.1	90.0	80.2	76.6



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-73SL-SLC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	64.4	90.0	79.0	75.4
115°	0.0	62.0	88.8	79.0	75.4
117.5°	1.2	59.6	87.5	79.0	75.4
120°	0.0	57.1	85.1	79.0	74.2
122.5°	1.2	53.5	82.7	77.8	74.2
125°	1.2	49.8	79.0	76.6	72.9
127.5°	1.2	46.2	75.4	74.2	70.5
130°	1.2	42.6	71.7	72.9	69.3
132.5°	1.2	38.9	66.9	70.5	68.1
135°	1.2	35.3	63.2	69.3	66.9
137.5°	1.2	31.6	58.4	65.7	65.7
140°	1.2	28.0	53.5	63.2	64.4
142.5°	1.2	25.5	48.6	60.8	62.0
145°	1.2	21.9	43.8	55.9	59.6
147.5°	1.2	19.5	38.9	51.1	55.9
150°	1.2	17.0	34.0	46.2	51.1
152.5°	1.2	14.6	30.4	40.1	47.4
155°	2.4	13.4	26.7	35.3	42.6
157.5°	2.4	10.9	21.9	30.4	36.5
160°	2.4	9.7	19.5	25.5	32.8
162.5°	2.4	8.5	15.8	21.9	28.0
165°	2.4	7.3	13.4	17.0	23.1
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)