

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-L935-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-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

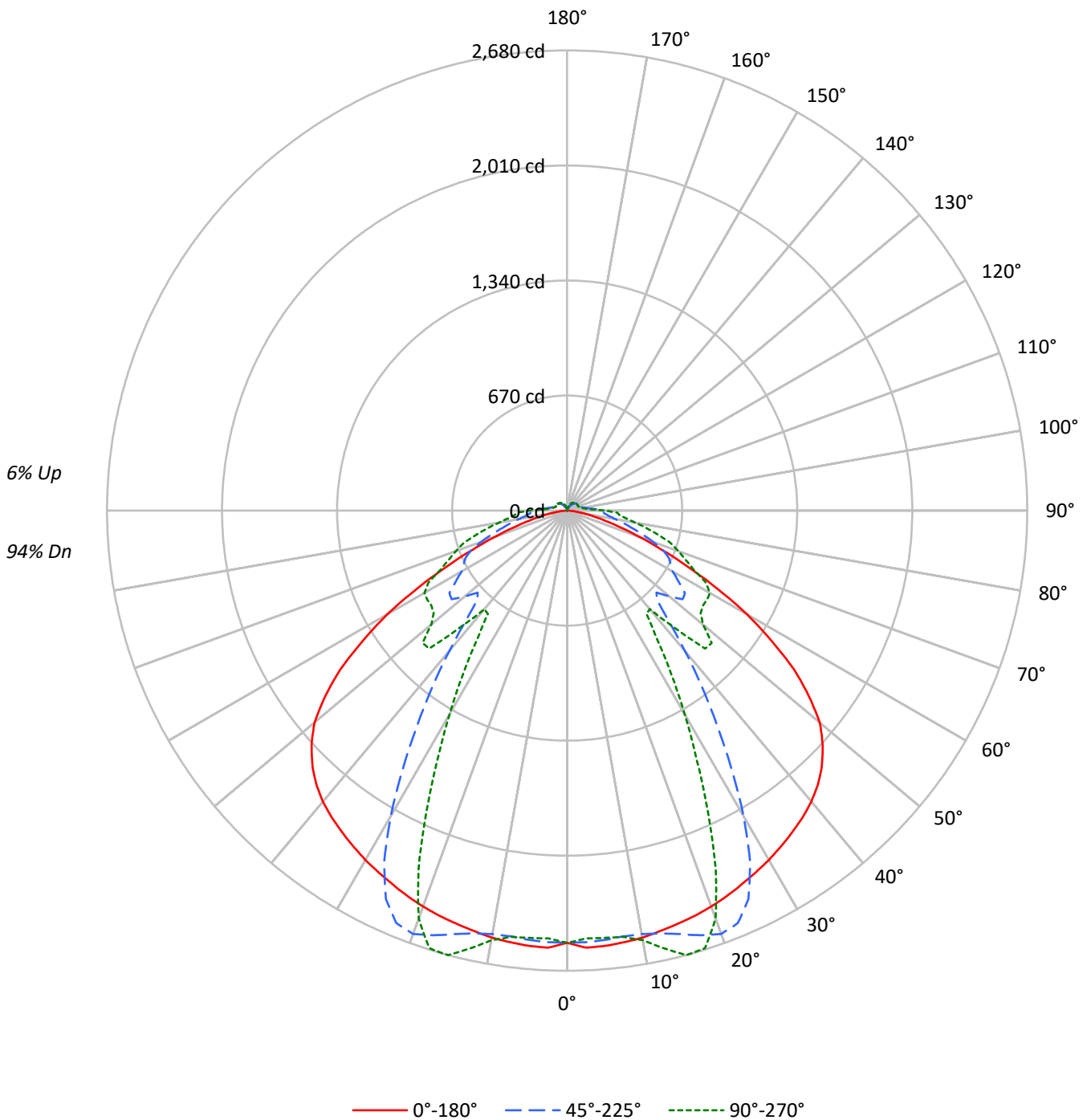
Lumens per Lamp: N/A
Luminaire Lumens: 6465.0 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 70
Input Voltage (V): NR
Input Current (A_{in}): 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



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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	0
RW	70	50	30	10	70	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°	20338	20338	20338
5°	20585	19862	19618
10°	20612	19559	19550
15°	20668	19835	20376
20°	20860	20425	19126
25°	21119	19630	14727
30°	21536	16441	10475
35°	22070	12452	7093
40°	22744	9052	6006
45°	23261	6567	9443
50°	23293	7271	8961
55°	21772	8368	8849
60°	18550	7657	9406
65°	13956	7723	8604
70°	9794	7029	8008
75°	6417	5890	7186
80°	4095	5045	5982
85°	2207	4796	5370



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.4	3.7
10°-20°	723.1	11.2
20°-30°	1050.4	16.2
30°-40°	1003.6	15.5
40°-50°	918.0	14.2
50°-60°	847.6	13.1
60°-70°	673.3	10.4
70°-80°	415.6	6.4
80°-90°	226.3	3.5
90°-100°	114.4	1.8
100°-110°	71.9	1.1
110°-120°	60.9	0.9
120°-130°	49.7	0.8
130°-140°	35.7	0.6
140°-150°	22.0	0.3
150°-160°	10.4	0.2
160°-170°	2.7	0.0
170°-180°	0.0	0.0
0°-30°	2012.9	31.1
0°-40°	3016.5	46.7
0°-60°	4782.2	74.0
0°-90°	6097.3	94.3
90°-120°	247.1	3.8
90°-150°	354.5	5.5
90°-180°	368.0	5.7
0°-180°	6465.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2517	2517	2517	2517	2517	
5°	2545	2506	2510	2497	2498	242
15°	2491	2458	2554	2648	2680	705
25°	2403	2450	2497	2114	1941	1111
35°	2286	2249	1516	1044	908	1434
45°	2099	1464	740	944	1136	1613
55°	1614	751	838	901	965	1422
65°	779	487	653	793	812	788
75°	230	260	391	518	553	260
85°	32	110	222	302	306	41
90°	1	82	198	235	217	2
95°	0	77	137	121	115	0
105°	0	69	85	77	76	0
115°	0	57	81	72	69	1
125°	1	46	72	70	67	1
135°	1	32	58	64	61	1
145°	1	20	40	51	55	1
155°	2	12	24	32	39	1
165°	2	7	12	16	21	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2516.8	2516.8	2516.8	2516.8	2516.8
2.5°	2548.0	2511.2	2515.6	2507.8	2494.5
5°	2544.6	2505.6	2510.1	2496.7	2497.8
7.5°	2535.7	2495.6	2501.2	2498.9	2504.5
10°	2525.7	2483.3	2504.5	2523.4	2540.2
12.5°	2507.8	2470.0	2521.2	2576.9	2611.5
15°	2491.1	2457.7	2553.5	2648.2	2680.5
17.5°	2474.4	2453.3	2593.6	2676.1	2671.6
20°	2453.3	2451.0	2623.7	2595.9	2527.9
22.5°	2429.9	2452.1	2600.3	2396.4	2262.7
25°	2403.1	2449.9	2496.7	2113.5	1940.8
27.5°	2376.4	2439.9	2308.4	1803.7	1633.3
30°	2349.6	2413.2	2054.4	1520.8	1365.9
32.5°	2318.5	2355.2	1778.1	1270.1	1127.5
35°	2286.1	2249.4	1516.3	1043.9	908.0
37.5°	2252.7	2096.7	1281.2	845.6	758.7
40°	2212.6	1905.1	1065.1	725.3	748.7
42.5°	2162.5	1689.0	874.6	760.9	923.6
45°	2099.0	1463.9	739.8	943.6	1136.4
47.5°	2018.8	1247.8	706.3	1080.7	1140.8
50°	1921.8	1049.5	776.5	1036.1	1031.7
52.5°	1774.8	884.6	847.8	944.8	980.4
55°	1614.3	750.9	837.8	901.3	964.8
57.5°	1411.6	660.7	768.7	892.4	965.9
60°	1209.9	600.5	709.7	891.3	960.4
62.5°	987.1	545.9	679.6	870.1	911.3
65°	778.8	486.9	652.9	793.2	812.2
67.5°	597.2	426.7	606.1	707.5	745.3
70°	450.1	367.7	532.5	641.7	688.5
72.5°	324.2	311.9	456.8	583.8	632.8
75°	229.5	259.6	391.1	518.1	552.6
77.5°	158.2	211.7	335.3	445.6	473.5
80°	103.6	169.3	285.2	383.3	402.2
82.5°	62.4	135.9	247.3	335.3	345.4
85°	32.3	110.3	221.7	301.9	306.4
87.5°	10.0	92.5	207.2	286.3	291.9
90°	1.1	82.4	198.3	235.1	217.3
92.5°	0.0	78.0	171.6	160.4	143.7
95°	0.0	76.9	137.0	121.4	114.8
97.5°	0.0	74.6	112.5	101.4	98.0
100°	0.0	72.4	96.9	89.1	88.0
102.5°	0.0	71.3	88.0	81.3	80.2
105°	0.0	69.1	84.7	76.9	75.8
107.5°	0.0	65.7	82.4	74.6	72.4
110°	0.0	62.4	82.4	73.5	70.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	59.0	82.4	72.4	69.1
115°	0.0	56.8	81.3	72.4	69.1
117.5°	1.1	54.6	80.2	72.4	69.1
120°	0.0	52.4	78.0	72.4	68.0
122.5°	1.1	49.0	75.8	71.3	68.0
125°	1.1	45.7	72.4	70.2	66.8
127.5°	1.1	42.3	69.1	68.0	64.6
130°	1.1	39.0	65.7	66.8	63.5
132.5°	1.1	35.7	61.3	64.6	62.4
135°	1.1	32.3	57.9	63.5	61.3
137.5°	1.1	29.0	53.5	60.2	60.2
140°	1.1	25.6	49.0	57.9	59.0
142.5°	1.1	23.4	44.6	55.7	56.8
145°	1.1	20.1	40.1	51.2	54.6
147.5°	1.1	17.8	35.7	46.8	51.2
150°	1.1	15.6	31.2	42.3	46.8
152.5°	1.1	13.4	27.9	36.8	43.5
155°	2.2	12.3	24.5	32.3	39.0
157.5°	2.2	10.0	20.1	27.9	33.4
160°	2.2	8.9	17.8	23.4	30.1
162.5°	2.2	7.8	14.5	20.1	25.6
165°	2.2	6.7	12.3	15.6	21.2
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)