

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: **8SNLED-LD5-120SL-SLN-UNV-L930-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 (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-120SL-SLN-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

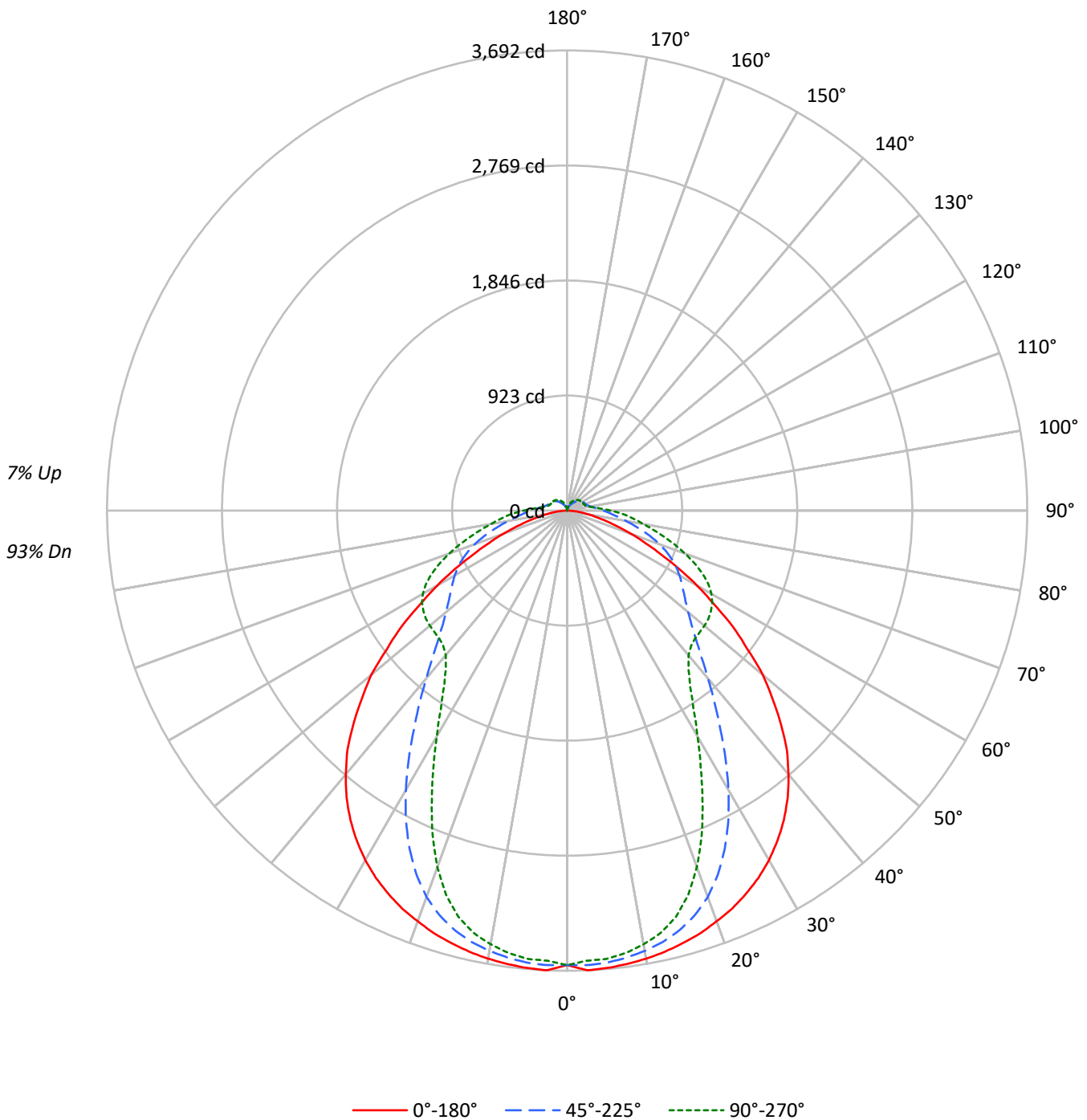
Lumens per Lamp: N/A
Luminaire Lumens: 9169.0 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 92
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



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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14732	14732	14732
5°	14922	14420	14181
10°	14937	14034	13597
15°	14963	13576	12821
20°	14992	12888	11515
25°	15022	11820	9751
30°	14975	10410	8020
35°	14790	8866	6721
40°	14387	7516	6076
45°	13658	6540	6030
50°	12653	5986	6242
55°	11180	5761	6460
60°	9475	5688	6549
65°	7666	5573	6345
70°	6210	5298	5852
75°	4745	4809	5193
80°	3591	4336	4619
85°	2557	4114	4249



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.9	3.8
10°-20°	975.0	10.6
20°-30°	1362.9	14.9
30°-40°	1413.7	15.4
40°-50°	1306.0	14.2
50°-60°	1166.0	12.7
60°-70°	945.0	10.3
70°-80°	628.5	6.9
80°-90°	359.9	3.9
90°-100°	199.1	2.2
100°-110°	134.9	1.5
110°-120°	112.3	1.2
120°-130°	91.3	1.0
130°-140°	65.8	0.7
140°-150°	39.7	0.4
150°-160°	19.1	0.2
160°-170°	4.9	0.1
170°-180°	0.0	0.0
0°-30°	2682.8	29.3
0°-40°	4096.5	44.7
0°-60°	6568.5	71.6
0°-90°	8501.9	92.7
90°-120°	446.3	4.9
90°-150°	643.1	7.0
90°-180°	667.0	7.3
0°-180°	9169.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3646	3646	3646	3646	3646	
5°	3684	3622	3641	3616	3611	350
15°	3592	3516	3486	3407	3373	1015
25°	3394	3244	2993	2679	2570	1564
35°	3031	2698	2145	1802	1721	1891
45°	2428	1924	1461	1409	1451	1866
55°	1622	1226	1141	1326	1409	1443
65°	829	742	928	1138	1198	838
75°	322	402	626	767	799	353
85°	65	187	369	472	485	75
90°	3	132	292	352	349	5
95°	3	111	231	247	239	2
105°	2	97	166	162	154	2
115°	2	87	147	146	141	2
125°	2	74	130	136	133	2
135°	3	56	103	120	120	2
145°	3	35	71	94	100	2
155°	3	22	44	59	71	1
165°	3	13	22	28	38	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3646.0	3646.0	3646.0	3646.0	3646.0
2.5°	3691.9	3631.7	3650.7	3634.9	3614.3
5°	3684.0	3622.2	3641.2	3615.9	3611.1
7.5°	3669.7	3607.9	3619.0	3588.9	3581.0
10°	3650.7	3585.7	3587.3	3544.6	3533.5
12.5°	3625.4	3554.1	3544.6	3485.9	3470.1
15°	3592.1	3516.0	3485.9	3406.7	3373.4
17.5°	3555.6	3466.9	3405.1	3283.1	3230.8
20°	3506.5	3406.7	3299.0	3113.6	3043.8
22.5°	3457.4	3333.8	3161.1	2913.9	2820.4
25°	3394.0	3243.5	2993.1	2679.4	2570.1
27.5°	3322.7	3137.3	2799.8	2438.6	2321.3
30°	3238.7	3009.0	2587.5	2202.5	2091.6
32.5°	3140.5	2864.8	2364.1	1990.1	1887.2
35°	3031.2	2698.4	2145.4	1801.6	1720.8
37.5°	2906.0	2516.2	1942.6	1649.5	1597.2
40°	2763.4	2318.1	1755.6	1532.2	1514.8
42.5°	2609.7	2124.8	1595.6	1456.2	1472.0
45°	2427.5	1923.6	1460.9	1408.6	1451.4
47.5°	2235.7	1727.1	1351.6	1381.7	1443.5
50°	2050.4	1544.9	1266.0	1364.3	1437.2
52.5°	1820.6	1381.7	1197.9	1348.4	1427.6
55°	1622.5	1226.4	1140.8	1326.2	1408.6
57.5°	1394.4	1087.0	1090.1	1297.7	1380.1
60°	1204.2	960.2	1041.0	1258.1	1337.3
62.5°	1010.9	846.1	987.2	1205.8	1277.1
65°	828.7	741.6	928.5	1137.7	1197.9
67.5°	676.6	646.5	862.0	1055.3	1106.0
70°	548.2	559.3	789.1	963.4	1006.2
72.5°	421.5	478.5	709.9	865.1	901.6
75°	321.7	402.5	625.9	766.9	798.6
77.5°	237.7	335.9	549.8	678.2	705.1
80°	168.0	277.3	478.5	600.5	621.1
82.5°	112.5	228.2	419.9	530.8	549.8
85°	65.0	187.0	369.2	472.2	484.9
87.5°	26.9	155.3	328.0	412.0	418.3
90°	3.2	131.5	291.6	351.8	348.6
92.5°	3.2	118.8	259.9	294.7	286.8
95°	3.2	110.9	231.3	247.2	239.3
97.5°	3.2	106.2	206.0	212.3	204.4
100°	1.6	103.0	188.6	188.6	180.6
102.5°	1.6	99.8	175.9	171.1	164.8
105°	1.6	96.7	166.4	161.6	153.7
107.5°	1.6	95.1	160.0	155.3	147.4
110°	1.6	91.9	155.3	150.5	144.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	90.3	152.1	148.9	141.0
115°	1.6	87.1	147.4	145.8	141.0
117.5°	1.6	84.0	144.2	144.2	139.4
120°	1.6	80.8	139.4	142.6	137.9
122.5°	1.6	77.6	134.7	139.4	134.7
125°	1.6	74.5	129.9	136.3	133.1
127.5°	3.2	69.7	123.6	133.1	129.9
130°	1.6	65.0	117.3	129.9	128.3
132.5°	3.2	60.2	110.9	125.2	125.2
135°	3.2	55.5	103.0	120.4	120.4
137.5°	3.2	49.1	95.1	114.1	115.7
140°	3.2	44.4	87.1	107.7	110.9
142.5°	3.2	39.6	79.2	101.4	106.2
145°	3.2	34.9	71.3	93.5	99.8
147.5°	3.2	31.7	63.4	84.0	93.5
150°	3.2	26.9	57.0	76.1	85.6
152.5°	3.2	23.8	50.7	68.1	79.2
155°	3.2	22.2	44.4	58.6	71.3
157.5°	3.2	19.0	38.0	50.7	63.4
160°	3.2	15.8	31.7	44.4	53.9
162.5°	3.2	14.3	26.9	36.4	47.5
165°	3.2	12.7	22.2	28.5	38.0
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)