

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-SLW-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 (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-120SL-SLW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7616.0 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

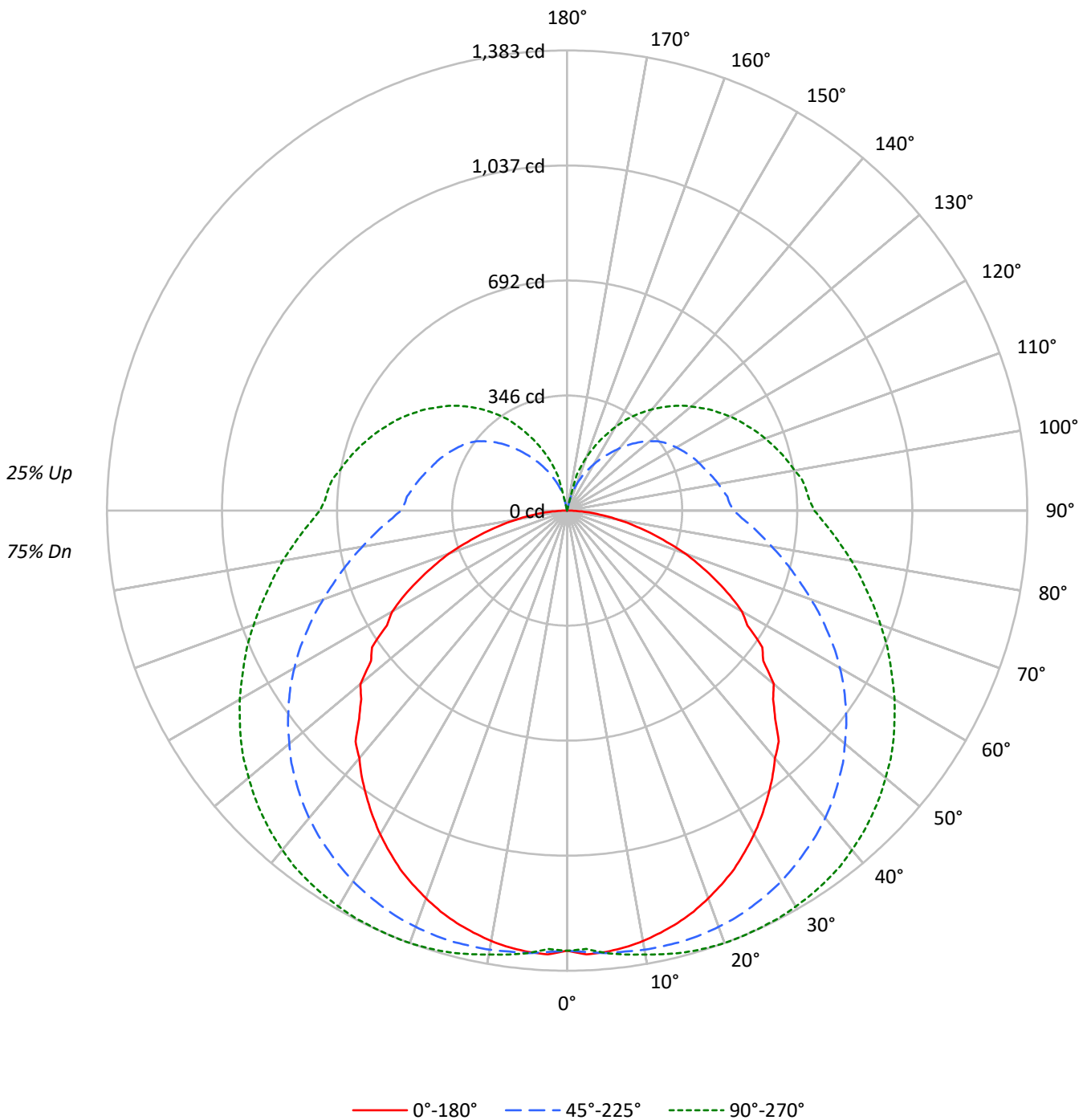
Input Watts (W): 92
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5344	5344	5344
5°	5393	5287	5243
10°	5375	5244	5213
15°	5345	5220	5224
20°	5302	5202	5233
25°	5259	5188	5242
30°	5197	5177	5270
35°	5126	5162	5305
40°	5059	5164	5341
45°	4974	5159	5383
50°	5003	5153	5425
55°	4933	5161	5491
60°	4774	5173	5565
65°	4537	5188	5669
70°	4277	5239	5829
75°	3801	5376	6063
80°	3290	5659	6455
85°	2604	6223	7026



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	1.7
10°-20°	376.8	4.9
20°-30°	598.8	7.9
30°-40°	768.5	10.1
40°-50°	867.9	11.4
50°-60°	885.5	11.6
60°-70°	820.4	10.8
70°-80°	694.5	9.1
80°-90°	554.4	7.3
90°-100°	470.8	6.2
100°-110°	419.4	5.5
110°-120°	357.2	4.7
120°-130°	283.8	3.7
130°-140°	201.3	2.6
140°-150°	120.2	1.6
150°-160°	56.0	0.7
160°-170°	13.3	0.2
170°-180°	0.0	0.0
0°-30°	1102.7	14.5
0°-40°	1871.2	24.6
0°-60°	3624.6	47.6
0°-90°	5694.0	74.8
90°-120°	1247.5	16.4
90°-150°	1852.7	24.3
90°-180°	1922.0	25.2
0°-180°	7616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1322	1322	1322	1322	1322	
5°	1332	1321	1335	1335	1335	126
15°	1283	1294	1340	1366	1374	362
25°	1188	1228	1314	1360	1382	547
35°	1050	1128	1249	1326	1358	658
45°	884	1004	1152	1253	1296	687
55°	716	836	1022	1147	1197	628
65°	490	653	864	1013	1070	487
75°	258	456	700	872	932	274
85°	66	294	558	739	802	72
90°	4	240	499	680	743	5
95°	0	226	483	660	721	0
105°	0	208	440	607	666	0
115°	0	193	401	546	600	0
125°	0	166	356	481	528	0
135°	0	124	286	406	444	0
145°	0	80	200	304	347	1
155°	2	50	124	186	231	1
165°	2	27	56	77	109	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°	1322.5	1322.5	1322.5	1322.5	1322.5
2.5°	1335.1	1320.8	1327.9	1326.1	1319.0
5°	1331.5	1320.8	1335.1	1335.1	1335.1
7.5°	1324.3	1317.2	1336.9	1344.0	1345.8
10°	1313.6	1313.6	1340.4	1351.2	1354.8
12.5°	1299.3	1304.6	1340.4	1356.5	1365.5
15°	1283.2	1293.9	1340.4	1365.5	1374.4
17.5°	1263.5	1281.4	1336.9	1367.3	1379.8
20°	1240.2	1267.1	1331.5	1367.3	1383.4
22.5°	1215.2	1249.2	1324.3	1363.7	1383.4
25°	1188.3	1227.7	1313.6	1360.1	1381.6
27.5°	1156.1	1206.2	1301.1	1354.8	1379.8
30°	1123.9	1181.2	1286.7	1347.6	1374.4
32.5°	1088.1	1154.3	1268.9	1336.9	1367.3
35°	1050.5	1127.5	1249.2	1326.1	1358.3
37.5°	1012.9	1095.3	1229.5	1311.8	1347.6
40°	971.8	1063.0	1206.2	1293.9	1331.5
42.5°	941.3	1029.0	1181.2	1276.0	1315.4
45°	884.1	1004.0	1152.5	1252.7	1295.7
47.5°	839.3	955.7	1123.9	1229.5	1274.2
50°	810.7	916.3	1089.9	1202.6	1249.2
52.5°	742.7	889.4	1057.7	1175.8	1225.9
55°	715.9	835.8	1021.9	1147.2	1197.3
57.5°	642.5	798.2	986.1	1114.9	1166.8
60°	606.7	746.3	946.7	1082.7	1136.4
62.5°	551.2	701.5	907.3	1046.9	1102.4
65°	490.4	653.2	864.4	1012.9	1070.2
67.5°	433.1	604.9	823.2	977.1	1038.0
70°	377.6	554.8	780.3	941.3	1002.2
72.5°	313.2	504.7	739.1	907.3	968.2
75°	257.7	456.4	699.7	871.6	932.4
77.5°	204.0	409.8	662.2	839.3	900.2
80°	153.9	365.1	624.6	805.3	868.0
82.5°	107.4	327.5	590.6	773.1	834.0
85°	66.2	293.5	558.4	739.1	801.8
87.5°	30.4	263.1	526.2	706.9	771.3
90°	3.6	239.8	499.3	680.1	742.7
92.5°	1.8	232.7	488.6	667.5	728.4
95°	0.0	225.5	483.2	660.4	721.2
97.5°	0.0	218.3	470.7	649.6	712.3
100°	0.0	214.8	461.7	633.5	694.4
102.5°	0.0	209.4	451.0	619.2	680.1
105°	0.0	207.6	440.3	606.7	665.7
107.5°	0.0	204.0	429.5	590.6	649.6
110°	0.0	200.4	420.6	576.3	633.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	196.9	411.6	561.9	617.4
115°	0.0	193.3	400.9	545.8	599.5
117.5°	0.0	187.9	390.1	529.7	583.4
120°	0.0	180.8	379.4	515.4	565.5
122.5°	0.0	173.6	368.7	497.5	545.8
125°	0.0	166.4	356.1	481.4	527.9
127.5°	0.0	155.7	341.8	463.5	506.5
130°	0.0	145.0	323.9	445.6	486.8
132.5°	1.8	134.2	306.0	425.9	467.1
135°	0.0	123.5	286.3	406.2	443.8
137.5°	0.0	114.5	264.9	384.8	420.6
140°	0.0	103.8	243.4	359.7	397.3
142.5°	0.0	91.3	221.9	332.9	372.2
145°	0.0	80.5	200.4	304.2	347.2
147.5°	1.8	71.6	180.8	273.8	320.3
150°	1.8	64.4	161.1	243.4	289.9
152.5°	1.8	57.3	141.4	214.8	259.5
155°	1.8	50.1	123.5	186.1	230.9
157.5°	1.8	43.0	103.8	157.5	200.4
160°	1.8	37.6	85.9	132.4	171.8
162.5°	1.8	32.2	69.8	103.8	141.4
165°	1.8	26.8	55.5	77.0	109.2
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)