

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-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 (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-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

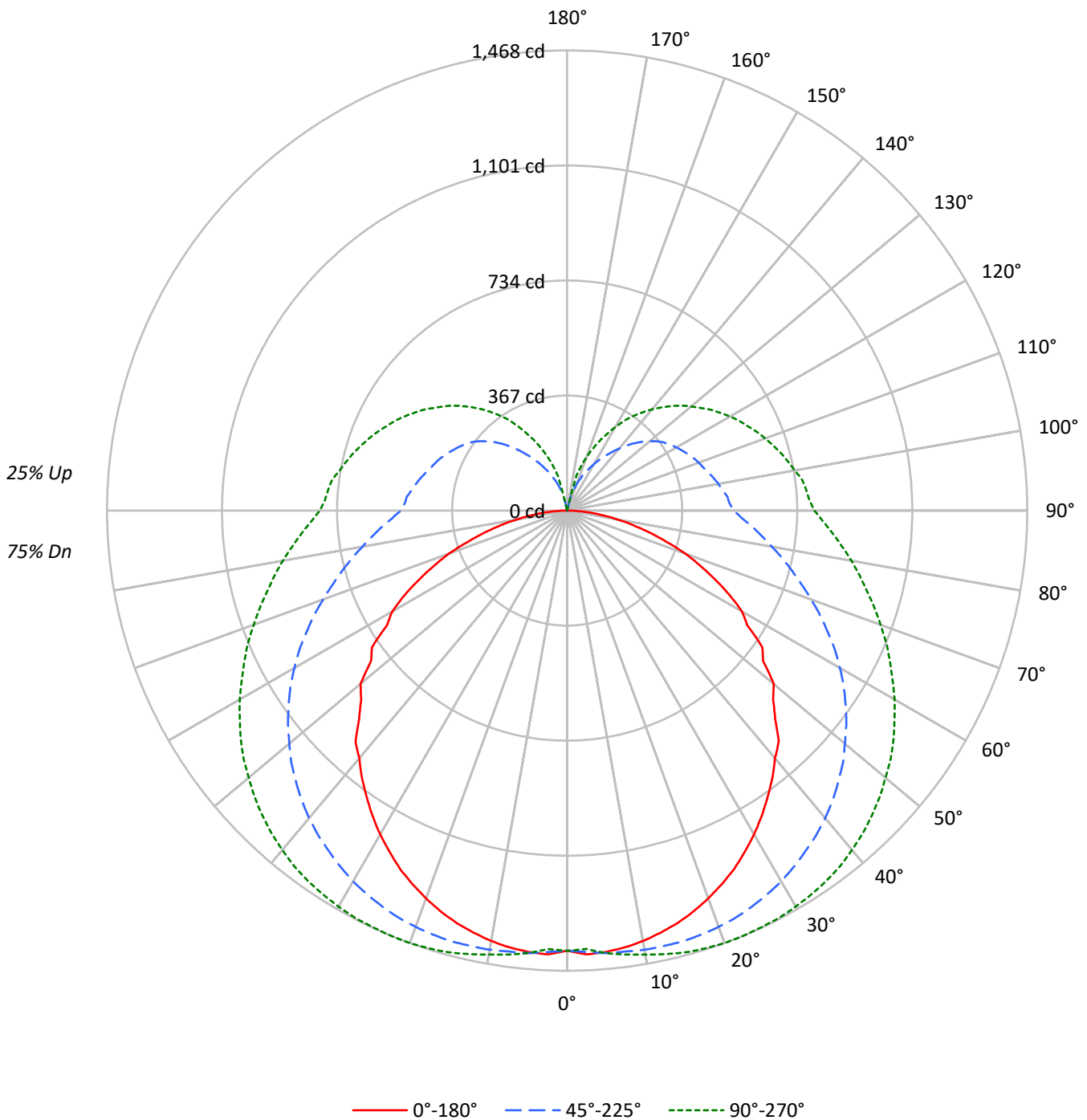
Lumens per Lamp: N/A
Luminaire Lumens: 8084.0 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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°	5672	5672	5672
5°	5724	5612	5565
10°	5705	5566	5534
15°	5674	5541	5545
20°	5628	5521	5555
25°	5582	5506	5564
30°	5516	5495	5594
35°	5441	5479	5632
40°	5370	5481	5669
45°	5280	5476	5714
50°	5310	5470	5758
55°	5236	5478	5828
60°	5067	5491	5907
65°	4815	5507	6017
70°	4540	5560	6187
75°	4034	5706	6435
80°	3493	6007	6851
85°	2765	6605	7457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	1.7
10°-20°	399.9	4.9
20°-30°	635.6	7.9
30°-40°	815.8	10.1
40°-50°	921.2	11.4
50°-60°	939.9	11.6
60°-70°	870.8	10.8
70°-80°	737.2	9.1
80°-90°	588.5	7.3
90°-100°	499.7	6.2
100°-110°	445.2	5.5
110°-120°	379.2	4.7
120°-130°	301.2	3.7
130°-140°	213.7	2.6
140°-150°	127.6	1.6
150°-160°	59.5	0.7
160°-170°	14.1	0.2
170°-180°	0.0	0.0
0°-30°	1170.4	14.5
0°-40°	1986.2	24.6
0°-60°	3847.3	47.6
0°-90°	6043.9	74.8
90°-120°	1324.2	16.4
90°-150°	1966.6	24.3
90°-180°	2040.0	25.2
0°-180°	8084.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1404	1404	1404	1404	1404	
5°	1413	1402	1417	1417	1417	134
15°	1362	1373	1423	1449	1459	384
25°	1261	1303	1394	1444	1466	581
35°	1115	1197	1326	1408	1442	698
45°	938	1066	1223	1330	1375	729
55°	760	887	1085	1218	1271	667
65°	520	693	918	1075	1136	517
75°	274	484	743	925	990	291
85°	70	312	593	784	851	77
90°	4	254	530	722	788	6
95°	0	239	513	701	766	0
105°	0	220	467	644	707	0
115°	0	205	426	579	636	0
125°	0	177	378	511	560	0
135°	0	131	304	431	471	0
145°	0	86	213	323	368	1
155°	2	53	131	198	245	1
165°	2	28	59	82	116	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°	1403.8	1403.8	1403.8	1403.8	1403.8
2.5°	1417.1	1401.9	1409.5	1407.6	1400.0
5°	1413.3	1401.9	1417.1	1417.1	1417.1
7.5°	1405.7	1398.1	1419.0	1426.6	1428.5
10°	1394.3	1394.3	1422.8	1434.2	1438.0
12.5°	1379.1	1384.8	1422.8	1439.9	1449.4
15°	1362.0	1373.4	1422.8	1449.4	1458.9
17.5°	1341.1	1360.1	1419.0	1451.3	1464.6
20°	1316.4	1344.9	1413.3	1451.3	1468.4
22.5°	1289.8	1325.9	1405.7	1447.5	1468.4
25°	1261.3	1303.1	1394.3	1443.7	1466.5
27.5°	1227.1	1280.3	1381.0	1438.0	1464.6
30°	1193.0	1253.7	1365.8	1430.4	1458.9
32.5°	1155.0	1225.2	1346.8	1419.0	1451.3
35°	1115.1	1196.8	1325.9	1407.6	1441.8
37.5°	1075.2	1162.6	1305.0	1392.4	1430.4
40°	1031.5	1128.4	1280.3	1373.4	1413.3
42.5°	999.2	1092.3	1253.7	1354.4	1396.2
45°	938.4	1065.7	1223.3	1329.7	1375.3
47.5°	890.9	1014.4	1193.0	1305.0	1352.5
50°	860.5	972.6	1156.9	1276.5	1325.9
52.5°	788.3	944.1	1122.7	1248.0	1301.2
55°	759.8	887.1	1084.7	1217.6	1270.8
57.5°	682.0	847.2	1046.7	1183.5	1238.5
60°	644.0	792.1	1004.9	1149.3	1206.3
62.5°	585.1	744.6	963.1	1111.3	1170.2
65°	520.5	693.4	917.5	1075.2	1136.0
67.5°	459.7	642.1	873.8	1037.2	1101.8
70°	400.8	588.9	828.2	999.2	1063.8
72.5°	332.4	535.7	784.5	963.1	1027.7
75°	273.5	484.4	742.7	925.1	989.7
77.5°	216.6	435.0	702.9	890.9	955.5
80°	163.4	387.5	663.0	854.8	921.3
82.5°	114.0	347.6	626.9	820.6	885.2
85°	70.3	311.5	592.7	784.5	851.0
87.5°	32.3	279.2	558.5	750.3	818.7
90°	3.8	254.5	530.0	721.9	788.3
92.5°	1.9	246.9	518.6	708.6	773.1
95°	0.0	239.4	512.9	701.0	765.5
97.5°	0.0	231.8	499.6	689.6	756.0
100°	0.0	228.0	490.1	672.5	737.0
102.5°	0.0	222.3	478.7	657.3	721.9
105°	0.0	220.4	467.3	644.0	706.7
107.5°	0.0	216.6	455.9	626.9	689.6
110°	0.0	212.8	446.4	611.7	672.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	209.0	436.9	596.5	655.4
115°	0.0	205.2	425.5	579.4	636.4
117.5°	0.0	199.5	414.1	562.3	619.3
120°	0.0	191.9	402.7	547.1	600.3
122.5°	0.0	184.3	391.3	528.1	579.4
125°	0.0	176.7	378.0	511.0	560.4
127.5°	0.0	165.3	362.8	492.0	537.6
130°	0.0	153.9	343.8	473.0	516.7
132.5°	1.9	142.5	324.8	452.1	495.8
135°	0.0	131.1	303.9	431.2	471.1
137.5°	0.0	121.6	281.1	408.4	446.4
140°	0.0	110.2	258.3	381.8	421.7
142.5°	0.0	96.9	235.6	353.3	395.1
145°	0.0	85.5	212.8	322.9	368.5
147.5°	1.9	76.0	191.9	290.6	340.0
150°	1.9	68.4	171.0	258.3	307.7
152.5°	1.9	60.8	150.1	228.0	275.4
155°	1.9	53.2	131.1	197.6	245.0
157.5°	1.9	45.6	110.2	167.2	212.8
160°	1.9	39.9	91.2	140.6	182.4
162.5°	1.9	34.2	74.1	110.2	150.1
165°	1.9	28.5	58.9	81.7	115.9
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)