

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-LD5-88SL-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-LD5-88SL-SLW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

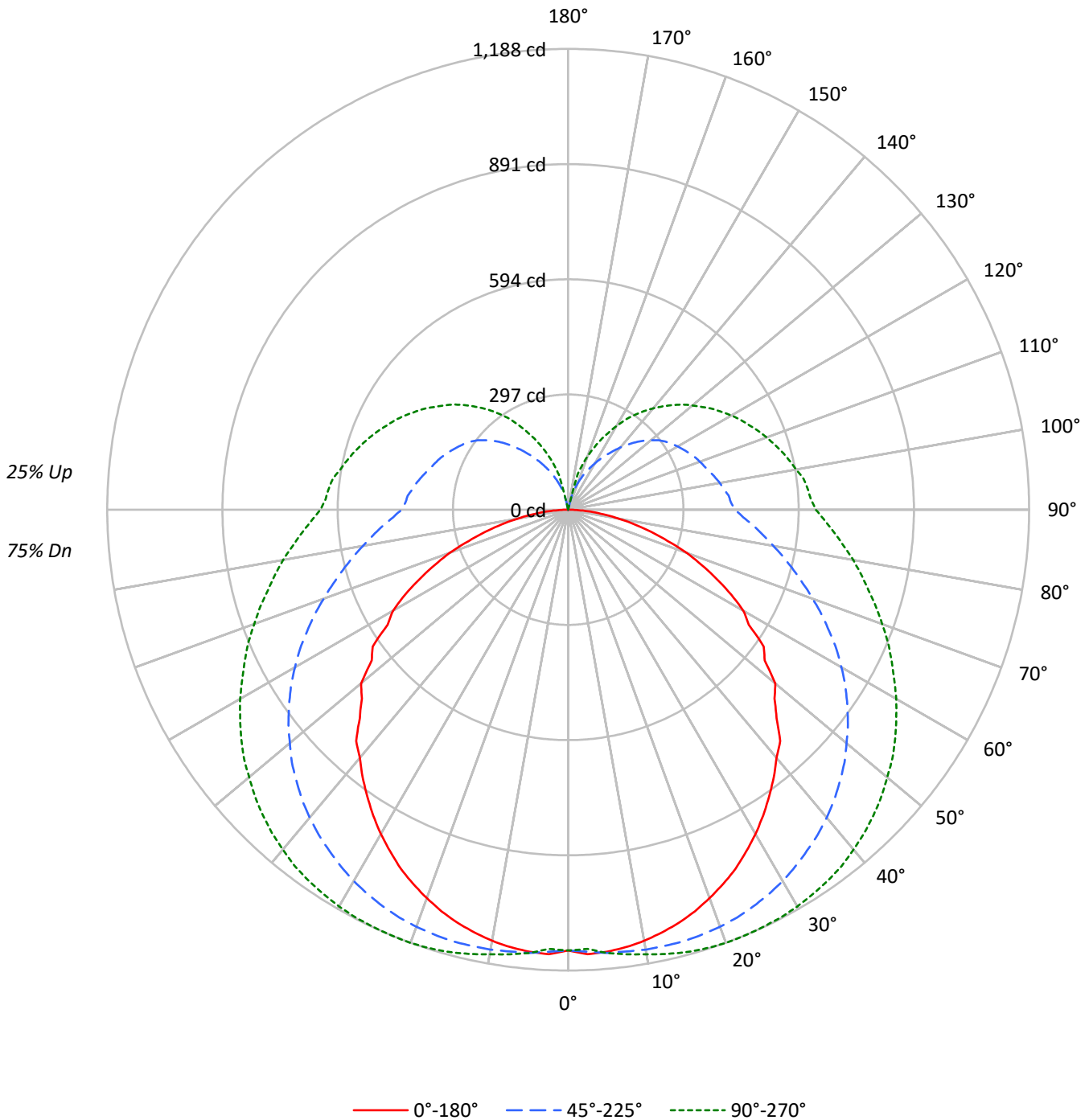
Lumens per Lamp: N/A
Luminaire Lumens: 6543.0 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 75
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: 8SNLED-LD5-88SL-SLW-UNV-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-88SL-SLW-UNV-L930-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	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°	4591	4591	4591
5°	4633	4542	4504
10°	4617	4505	4479
15°	4592	4485	4488
20°	4556	4469	4496
25°	4518	4457	4503
30°	4464	4448	4528
35°	4403	4435	4558
40°	4347	4437	4588
45°	4273	4432	4624
50°	4298	4427	4661
55°	4238	4434	4717
60°	4101	4444	4781
65°	3897	4457	4870
70°	3675	4500	5007
75°	3266	4619	5208
80°	2826	4862	5546
85°	2238	5346	6036



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-88SL-SLW-UNV-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	1.7
10°-20°	323.7	4.9
20°-30°	514.4	7.9
30°-40°	660.3	10.1
40°-50°	745.6	11.4
50°-60°	760.8	11.6
60°-70°	704.8	10.8
70°-80°	596.7	9.1
80°-90°	476.3	7.3
90°-100°	404.4	6.2
100°-110°	360.3	5.5
110°-120°	306.9	4.7
120°-130°	243.8	3.7
130°-140°	172.9	2.6
140°-150°	103.2	1.6
150°-160°	48.1	0.7
160°-170°	11.4	0.2
170°-180°	0.0	0.0
0°-30°	947.3	14.5
0°-40°	1607.6	24.6
0°-60°	3113.9	47.6
0°-90°	4891.8	74.8
90°-120°	1071.7	16.4
90°-150°	1591.6	24.3
90°-180°	1651.0	25.2
0°-180°	6543.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1136	1136	1136	1136	1136	
5°	1144	1135	1147	1147	1147	109
15°	1102	1112	1152	1173	1181	311
25°	1021	1055	1128	1168	1187	470
35°	902	969	1073	1139	1167	565
45°	760	862	990	1076	1113	590
55°	615	718	878	986	1029	540
65°	421	561	743	870	919	418
75°	221	392	601	749	801	236
85°	57	252	480	635	689	62
90°	3	206	429	584	638	5
95°	0	194	415	567	620	0
105°	0	178	378	521	572	0
115°	0	166	344	469	515	0
125°	0	143	306	414	454	0
135°	0	106	246	349	381	0
145°	0	69	172	261	298	1
155°	2	43	106	160	198	1
165°	2	23	48	66	94	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-88SL-SLW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1136.2	1136.2	1136.2	1136.2	1136.2
2.5°	1147.0	1134.7	1140.8	1139.3	1133.1
5°	1143.9	1134.7	1147.0	1147.0	1147.0
7.5°	1137.7	1131.6	1148.5	1154.7	1156.2
10°	1128.5	1128.5	1151.6	1160.8	1163.9
12.5°	1116.2	1120.8	1151.6	1165.4	1173.1
15°	1102.4	1111.6	1151.6	1173.1	1180.8
17.5°	1085.5	1100.8	1148.5	1174.6	1185.4
20°	1065.5	1088.5	1143.9	1174.6	1188.5
22.5°	1044.0	1073.2	1137.7	1171.6	1188.5
25°	1020.9	1054.7	1128.5	1168.5	1186.9
27.5°	993.2	1036.3	1117.8	1163.9	1185.4
30°	965.5	1014.7	1105.5	1157.7	1180.8
32.5°	934.8	991.7	1090.1	1148.5	1174.6
35°	902.5	968.6	1073.2	1139.3	1167.0
37.5°	870.2	940.9	1056.3	1127.0	1157.7
40°	834.9	913.3	1036.3	1111.6	1143.9
42.5°	808.7	884.1	1014.7	1096.2	1130.1
45°	759.5	862.5	990.1	1076.2	1113.1
47.5°	721.1	821.0	965.5	1056.3	1094.7
50°	696.5	787.2	936.3	1033.2	1073.2
52.5°	638.1	764.1	908.7	1010.1	1053.2
55°	615.0	718.0	877.9	985.5	1028.6
57.5°	552.0	685.7	847.2	957.9	1002.4
60°	521.2	641.1	813.3	930.2	976.3
62.5°	473.5	602.7	779.5	899.4	947.1
65°	421.3	561.2	742.6	870.2	919.4
67.5°	372.1	519.7	707.2	839.5	891.7
70°	324.4	476.6	670.3	808.7	861.0
72.5°	269.1	433.6	635.0	779.5	831.8
75°	221.4	392.1	601.2	748.8	801.0
77.5°	175.3	352.1	568.9	721.1	773.4
80°	132.2	313.6	536.6	691.9	745.7
82.5°	92.2	281.4	507.4	664.2	716.5
85°	56.9	252.1	479.7	635.0	688.8
87.5°	26.1	226.0	452.0	607.3	662.7
90°	3.1	206.0	429.0	584.2	638.1
92.5°	1.5	199.9	419.7	573.5	625.8
95°	0.0	193.7	415.1	567.3	619.6
97.5°	0.0	187.6	404.4	558.1	611.9
100°	0.0	184.5	396.7	544.3	596.5
102.5°	0.0	179.9	387.4	532.0	584.2
105°	0.0	178.3	378.2	521.2	571.9
107.5°	0.0	175.3	369.0	507.4	558.1
110°	0.0	172.2	361.3	495.1	544.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-88SL-SLW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	169.1	353.6	482.8	530.4
115°	0.0	166.0	344.4	468.9	515.1
117.5°	0.0	161.4	335.2	455.1	501.2
120°	0.0	155.3	325.9	442.8	485.8
122.5°	0.0	149.1	316.7	427.4	468.9
125°	0.0	143.0	306.0	413.6	453.6
127.5°	0.0	133.8	293.7	398.2	435.1
130°	0.0	124.5	278.3	382.8	418.2
132.5°	1.5	115.3	262.9	365.9	401.3
135°	0.0	106.1	246.0	349.0	381.3
137.5°	0.0	98.4	227.5	330.6	361.3
140°	0.0	89.2	209.1	309.0	341.3
142.5°	0.0	78.4	190.6	286.0	319.8
145°	0.0	69.2	172.2	261.4	298.3
147.5°	1.5	61.5	155.3	235.2	275.2
150°	1.5	55.3	138.4	209.1	249.1
152.5°	1.5	49.2	121.5	184.5	222.9
155°	1.5	43.0	106.1	159.9	198.3
157.5°	1.5	36.9	89.2	135.3	172.2
160°	1.5	32.3	73.8	113.8	147.6
162.5°	1.5	27.7	60.0	89.2	121.5
165°	1.5	23.1	47.7	66.1	93.8
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)