

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-LD5-95SL-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-LD5-95SL-SLW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

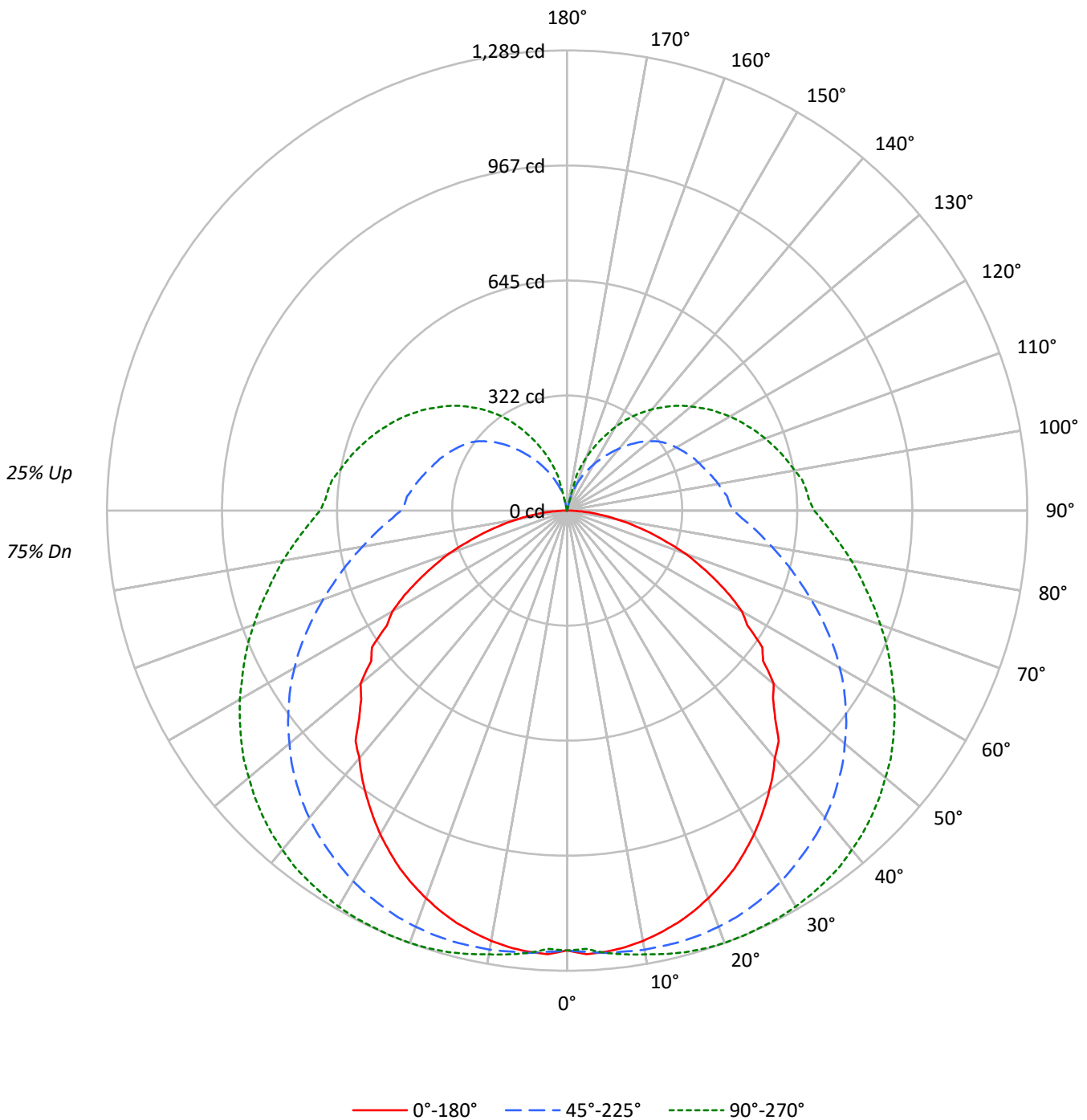
Lumens per Lamp: N/A
Luminaire Lumens: 7096.0 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 82
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°	4979	4979	4979
5°	5025	4926	4885
10°	5008	4886	4858
15°	4980	4864	4867
20°	4940	4847	4876
25°	4900	4833	4884
30°	4842	4824	4911
35°	4776	4810	4943
40°	4714	4812	4976
45°	4634	4807	5015
50°	4662	4801	5055
55°	4596	4808	5116
60°	4448	4820	5185
65°	4227	4834	5281
70°	3985	4881	5431
75°	3542	5010	5648
80°	3065	5273	6014
85°	2427	5797	6546



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	1.7
10°-20°	351.0	4.9
20°-30°	557.9	7.9
30°-40°	716.1	10.1
40°-50°	808.6	11.4
50°-60°	825.1	11.6
60°-70°	764.4	10.8
70°-80°	647.1	9.1
80°-90°	516.6	7.3
90°-100°	438.6	6.2
100°-110°	390.8	5.5
110°-120°	332.9	4.7
120°-130°	264.4	3.7
130°-140°	187.5	2.6
140°-150°	112.0	1.6
150°-160°	52.2	0.7
160°-170°	12.4	0.2
170°-180°	0.0	0.0
0°-30°	1027.4	14.5
0°-40°	1743.5	24.6
0°-60°	3377.2	47.6
0°-90°	5305.2	74.8
90°-120°	1162.3	16.4
90°-150°	1726.2	24.3
90°-180°	1791.0	25.2
0°-180°	7096.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1232	1232	1232	1232	1232	
5°	1241	1231	1244	1244	1244	118
15°	1196	1206	1249	1272	1281	337
25°	1107	1144	1224	1267	1287	510
35°	979	1050	1164	1236	1266	613
45°	824	935	1074	1167	1207	640
55°	667	779	952	1069	1116	586
65°	457	609	805	944	997	453
75°	240	425	652	812	869	256
85°	62	274	520	689	747	67
90°	3	223	465	634	692	5
95°	0	210	450	615	672	0
105°	0	193	410	565	620	0
115°	0	180	374	509	559	0
125°	0	155	332	448	492	0
135°	0	115	267	378	414	0
145°	0	75	187	284	324	1
155°	2	47	115	173	215	1
165°	2	25	52	72	102	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°	1232.2	1232.2	1232.2	1232.2	1232.2
2.5°	1243.9	1230.6	1237.2	1235.6	1228.9
5°	1240.6	1230.6	1243.9	1243.9	1243.9
7.5°	1233.9	1227.2	1245.6	1252.3	1253.9
10°	1223.9	1223.9	1248.9	1258.9	1262.3
12.5°	1210.6	1215.6	1248.9	1263.9	1272.3
15°	1195.6	1205.6	1248.9	1272.3	1280.6
17.5°	1177.2	1193.9	1245.6	1273.9	1285.6
20°	1155.5	1180.6	1240.6	1273.9	1288.9
22.5°	1132.2	1163.9	1233.9	1270.6	1288.9
25°	1107.2	1143.9	1223.9	1267.3	1287.3
27.5°	1077.2	1123.9	1212.2	1262.3	1285.6
30°	1047.2	1100.5	1198.9	1255.6	1280.6
32.5°	1013.8	1075.5	1182.2	1245.6	1273.9
35°	978.8	1050.5	1163.9	1235.6	1265.6
37.5°	943.8	1020.5	1145.5	1222.2	1255.6
40°	905.4	990.5	1123.9	1205.6	1240.6
42.5°	877.1	958.8	1100.5	1188.9	1225.6
45°	823.7	935.4	1073.8	1167.2	1207.2
47.5°	782.0	890.4	1047.2	1145.5	1187.2
50°	755.4	853.7	1015.5	1120.5	1163.9
52.5°	692.0	828.7	985.5	1095.5	1142.2
55°	667.0	778.7	952.1	1068.8	1115.5
57.5°	598.6	743.7	918.8	1038.8	1087.2
60°	565.3	695.3	882.1	1008.8	1058.8
62.5°	513.6	653.6	845.4	975.5	1027.1
65°	456.9	608.6	805.4	943.8	997.1
67.5°	403.5	563.6	767.0	910.4	967.1
70°	351.8	516.9	727.0	877.1	933.8
72.5°	291.8	470.2	688.7	845.4	902.1
75°	240.1	425.2	652.0	812.0	868.7
77.5°	190.1	381.8	617.0	782.0	838.7
80°	143.4	340.2	581.9	750.3	808.7
82.5°	100.0	305.1	550.3	720.3	777.0
85°	61.7	273.5	520.2	688.7	747.0
87.5°	28.3	245.1	490.2	658.6	718.7
90°	3.3	223.4	465.2	633.6	692.0
92.5°	1.7	216.8	455.2	622.0	678.6
95°	0.0	210.1	450.2	615.3	672.0
97.5°	0.0	203.4	438.5	605.3	663.6
100°	0.0	200.1	430.2	590.3	647.0
102.5°	0.0	195.1	420.2	576.9	633.6
105°	0.0	193.4	410.2	565.3	620.3
107.5°	0.0	190.1	400.2	550.3	605.3
110°	0.0	186.8	391.8	536.9	590.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	183.4	383.5	523.6	575.3
115°	0.0	180.1	373.5	508.6	558.6
117.5°	0.0	175.1	363.5	493.6	543.6
120°	0.0	168.4	353.5	480.2	526.9
122.5°	0.0	161.7	343.5	463.5	508.6
125°	0.0	155.1	331.8	448.5	491.9
127.5°	0.0	145.1	318.5	431.9	471.9
130°	0.0	135.1	301.8	415.2	453.5
132.5°	1.7	125.1	285.1	396.9	435.2
135°	0.0	115.1	266.8	378.5	413.5
137.5°	0.0	106.7	246.8	358.5	391.8
140°	0.0	96.7	226.8	335.2	370.2
142.5°	0.0	85.0	206.8	310.1	346.8
145°	0.0	75.0	186.8	283.5	323.5
147.5°	1.7	66.7	168.4	255.1	298.5
150°	1.7	60.0	150.1	226.8	270.1
152.5°	1.7	53.4	131.7	200.1	241.8
155°	1.7	46.7	115.1	173.4	215.1
157.5°	1.7	40.0	96.7	146.7	186.8
160°	1.7	35.0	80.0	123.4	160.1
162.5°	1.7	30.0	65.0	96.7	131.7
165°	1.7	25.0	51.7	71.7	101.7
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)