

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-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-LD5-88SL-SLW-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

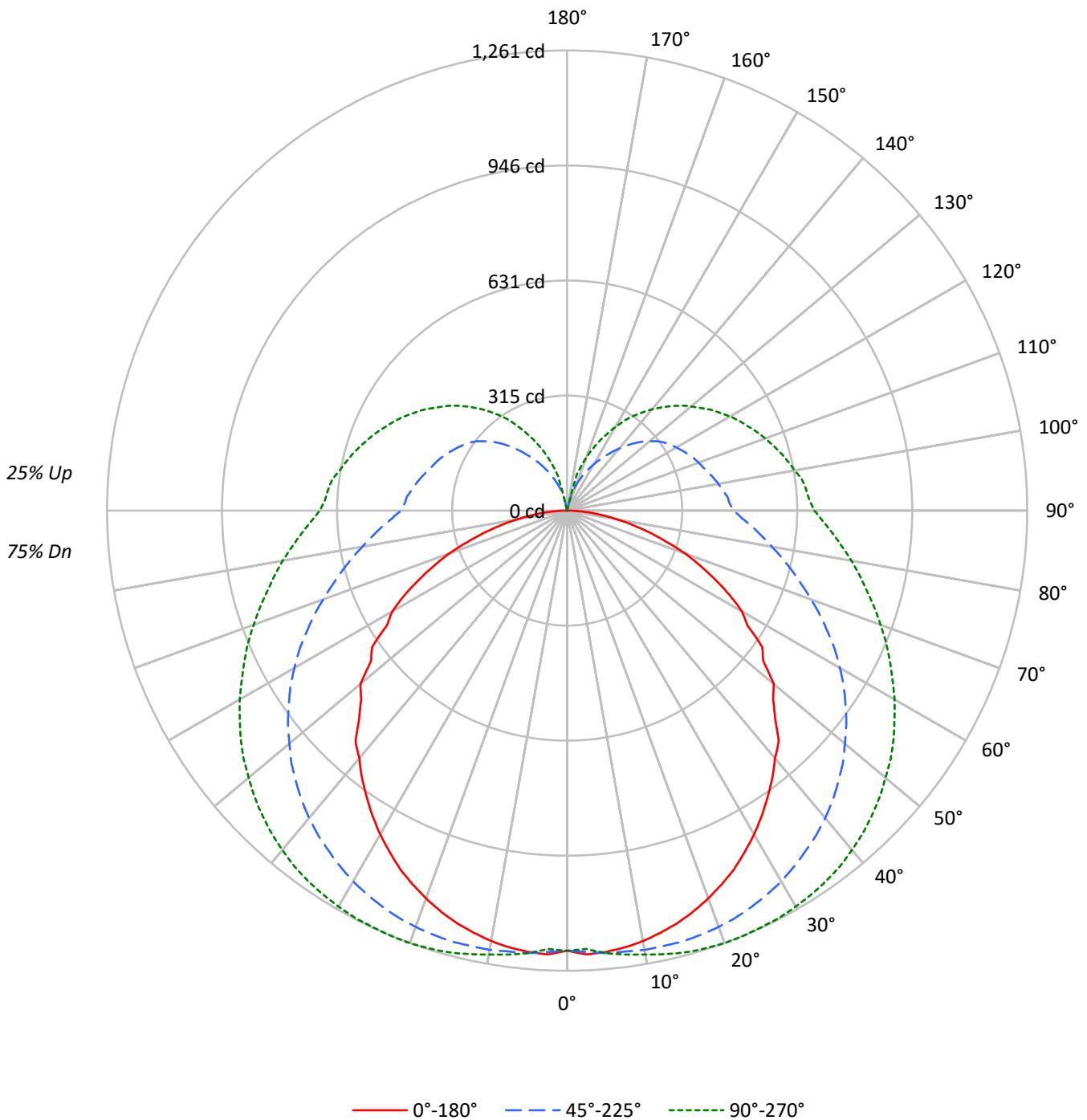
Lumens per Lamp: N/A  
Luminaire Lumens: 6944.0 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

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



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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	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°	4872	4872	4872
5°	4917	4821	4780
10°	4900	4781	4753
15°	4873	4760	4763
20°	4835	4743	4771
25°	4796	4730	4779
30°	4738	4720	4805
35°	4673	4707	4837
40°	4613	4709	4869
45°	4535	4704	4908
50°	4562	4698	4946
55°	4498	4705	5006
60°	4353	4717	5074
65°	4136	4730	5169
70°	3900	4776	5314
75°	3467	4902	5528
80°	2999	5160	5885
85°	2376	5673	6406



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.9	1.7
10°-20°	343.5	4.9
20°-30°	546.0	7.9
30°-40°	700.7	10.1
40°-50°	791.3	11.4
50°-60°	807.4	11.6
60°-70°	748.0	10.8
70°-80°	633.3	9.1
80°-90°	505.5	7.3
90°-100°	429.2	6.2
100°-110°	382.4	5.5
110°-120°	325.7	4.7
120°-130°	258.7	3.7
130°-140°	183.5	2.6
140°-150°	109.6	1.6
150°-160°	51.1	0.7
160°-170°	12.1	0.2
170°-180°	0.0	0.0
0°-30°	1005.4	14.5
0°-40°	1706.1	24.6
0°-60°	3304.8	47.6
0°-90°	5191.6	74.8
90°-120°	1137.4	16.4
90°-150°	1689.2	24.3
90°-180°	1752.0	25.2
0°-180°	6944.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1214	1204	1217	1217	1217	115
15°	1170	1180	1222	1245	1253	330
25°	1084	1119	1198	1240	1260	499
35°	958	1028	1139	1209	1238	600
45°	806	915	1051	1142	1181	626
55°	653	762	932	1046	1092	573
65°	447	596	788	924	976	444
75°	235	416	638	795	850	250
85°	60	268	509	674	731	66
90°	3	219	455	620	677	5
95°	0	206	441	602	658	0
105°	0	189	401	553	607	0
115°	0	176	366	498	547	0
125°	0	152	325	439	481	0
135°	0	113	261	370	405	0
145°	0	73	183	277	317	1
155°	2	46	113	170	210	1
165°	2	24	51	70	100	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°	1205.8	1205.8	1205.8	1205.8	1205.8
2.5°	1217.3	1204.2	1210.7	1209.1	1202.6
5°	1214.0	1204.2	1217.3	1217.3	1217.3
7.5°	1207.5	1201.0	1218.9	1225.4	1227.1
10°	1197.7	1197.7	1222.2	1232.0	1235.2
12.5°	1184.6	1189.5	1222.2	1236.8	1245.0
15°	1169.9	1179.7	1222.2	1245.0	1253.2
17.5°	1152.0	1168.3	1218.9	1246.6	1258.1
20°	1130.8	1155.3	1214.0	1246.6	1261.3
22.5°	1107.9	1138.9	1207.5	1243.4	1261.3
25°	1083.5	1119.4	1197.7	1240.1	1259.7
27.5°	1054.1	1099.8	1186.3	1235.2	1258.1
30°	1024.7	1076.9	1173.2	1228.7	1253.2
32.5°	992.1	1052.5	1156.9	1218.9	1246.6
35°	957.8	1028.0	1138.9	1209.1	1238.5
37.5°	923.6	998.6	1121.0	1196.1	1228.7
40°	886.0	969.2	1099.8	1179.7	1214.0
42.5°	858.3	938.2	1076.9	1163.4	1199.3
45°	806.1	915.4	1050.8	1142.2	1181.4
47.5°	765.3	871.3	1024.7	1121.0	1161.8
50°	739.2	835.4	993.7	1096.5	1138.9
52.5°	677.2	811.0	964.4	1072.0	1117.7
55°	652.7	762.0	931.7	1045.9	1091.6
57.5°	585.8	727.8	899.1	1016.6	1063.9
60°	553.2	680.4	863.2	987.2	1036.1
62.5°	502.6	639.6	827.3	954.6	1005.1
65°	447.1	595.6	788.1	923.6	975.8
67.5°	394.9	551.5	750.6	890.9	946.4
70°	344.3	505.8	711.4	858.3	913.8
72.5°	285.6	460.1	673.9	827.3	882.8
75°	235.0	416.1	638.0	794.7	850.1
77.5°	186.0	373.7	603.7	765.3	820.8
80°	140.3	332.9	569.5	734.3	791.4
82.5°	97.9	298.6	538.5	704.9	760.4
85°	60.4	267.6	509.1	673.9	731.0
87.5°	27.7	239.9	479.7	644.5	703.3
90°	3.3	218.7	455.3	620.1	677.2
92.5°	1.6	212.1	445.5	608.6	664.1
95°	0.0	205.6	440.6	602.1	657.6
97.5°	0.0	199.1	429.1	592.3	649.4
100°	0.0	195.8	421.0	577.6	633.1
102.5°	0.0	190.9	411.2	564.6	620.1
105°	0.0	189.3	401.4	553.2	607.0
107.5°	0.0	186.0	391.6	538.5	592.3
110°	0.0	182.8	383.5	525.4	577.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	179.5	375.3	512.4	562.9
115°	0.0	176.2	365.5	497.7	546.6
117.5°	0.0	171.3	355.7	483.0	531.9
120°	0.0	164.8	345.9	469.9	515.6
122.5°	0.0	158.3	336.1	453.6	497.7
125°	0.0	151.8	324.7	438.9	481.4
127.5°	0.0	142.0	311.7	422.6	461.8
130°	0.0	132.2	295.3	406.3	443.8
132.5°	1.6	122.4	279.0	388.4	425.9
135°	0.0	112.6	261.1	370.4	404.7
137.5°	0.0	104.4	241.5	350.8	383.5
140°	0.0	94.6	221.9	328.0	362.2
142.5°	0.0	83.2	202.3	303.5	339.4
145°	0.0	73.4	182.8	277.4	316.6
147.5°	1.6	65.3	164.8	249.7	292.1
150°	1.6	58.7	146.9	221.9	264.3
152.5°	1.6	52.2	128.9	195.8	236.6
155°	1.6	45.7	112.6	169.7	210.5
157.5°	1.6	39.2	94.6	143.6	182.8
160°	1.6	34.3	78.3	120.7	156.6
162.5°	1.6	29.4	63.6	94.6	128.9
165°	1.6	24.5	50.6	70.2	99.5
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)