

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-L950-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-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

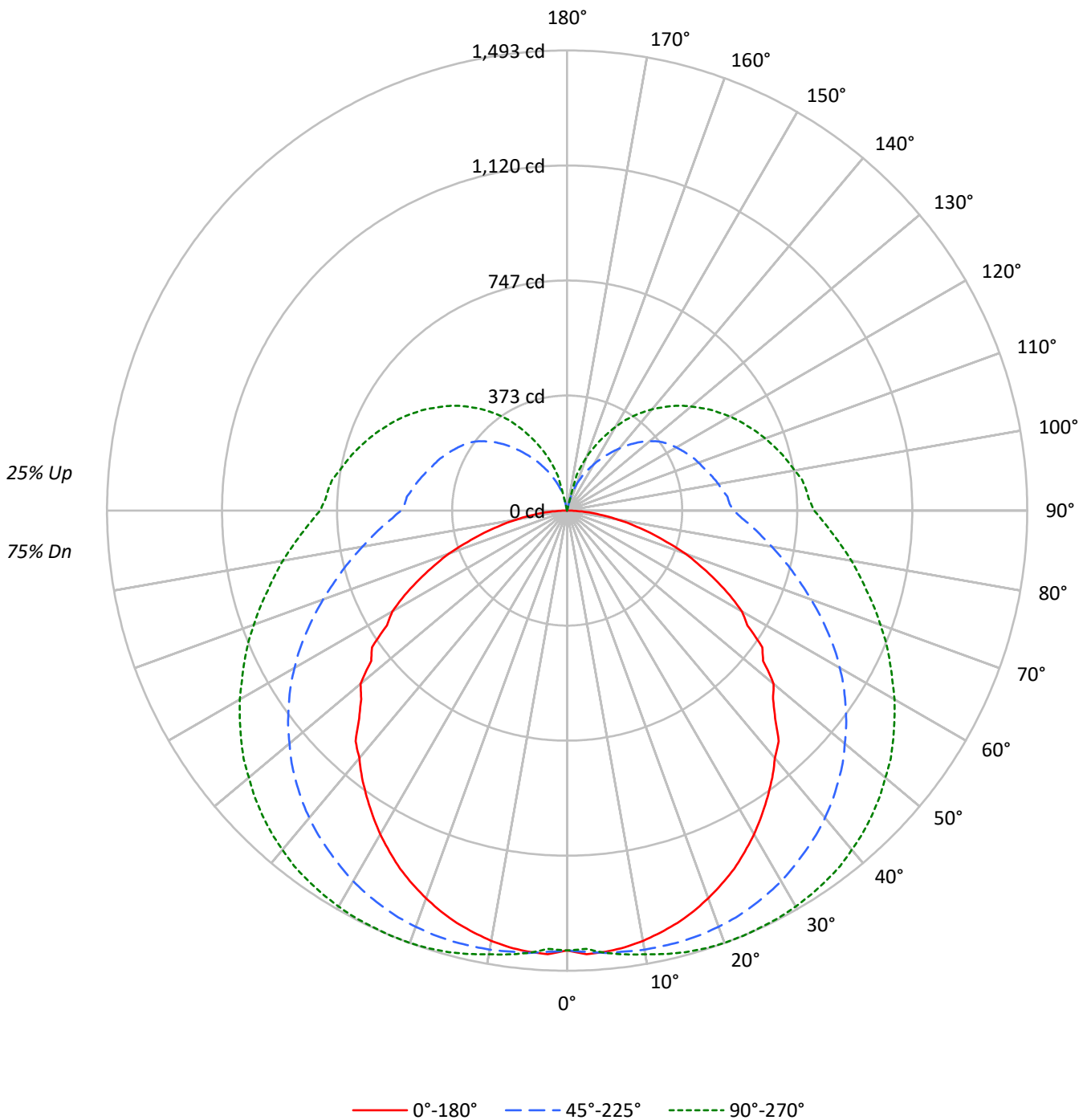
Lumens per Lamp: N/A  
Luminaire Lumens: 8219.0 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 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	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°	5767	5767	5767
5°	5820	5706	5658
10°	5800	5659	5626
15°	5769	5634	5638
20°	5722	5614	5648
25°	5676	5598	5657
30°	5608	5587	5688
35°	5532	5571	5726
40°	5460	5573	5764
45°	5368	5568	5809
50°	5399	5561	5855
55°	5323	5569	5925
60°	5151	5583	6006
65°	4895	5599	6117
70°	4616	5654	6290
75°	4102	5802	6543
80°	3550	6107	6966
85°	2812	6715	7581



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.2	1.7
10°-20°	406.6	4.9
20°-30°	646.2	7.9
30°-40°	829.4	10.1
40°-50°	936.6	11.4
50°-60°	955.7	11.6
60°-70°	885.3	10.8
70°-80°	749.5	9.1
80°-90°	598.3	7.3
90°-100°	508.1	6.2
100°-110°	452.6	5.5
110°-120°	385.5	4.7
120°-130°	306.2	3.7
130°-140°	217.2	2.6
140°-150°	129.7	1.6
150°-160°	60.5	0.7
160°-170°	14.4	0.2
170°-180°	0.0	0.0
0°-30°	1190.0	14.5
0°-40°	2019.4	24.6
0°-60°	3911.6	47.6
0°-90°	6144.8	74.8
90°-120°	1346.2	16.4
90°-150°	1999.4	24.3
90°-180°	2074.0	25.2
0°-180°	8219.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1427	1427	1427	1427	1427	
5°	1437	1425	1441	1441	1441	137
15°	1385	1396	1447	1474	1483	391
25°	1282	1325	1418	1468	1491	590
35°	1134	1217	1348	1431	1466	710
45°	954	1084	1244	1352	1398	741
55°	772	902	1103	1238	1292	678
65°	529	705	933	1093	1155	525
75°	278	492	755	941	1006	296
85°	72	317	603	798	865	78
90°	4	259	539	734	802	6
95°	0	243	522	713	778	0
105°	0	224	475	655	718	0
115°	0	209	433	589	647	0
125°	0	180	384	520	570	0
135°	0	133	309	438	479	0
145°	0	87	216	328	375	1
155°	2	54	133	201	249	1
165°	2	29	60	83	118	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°	1427.3	1427.3	1427.3	1427.3	1427.3
2.5°	1440.8	1425.3	1433.0	1431.1	1423.4
5°	1436.9	1425.3	1440.8	1440.8	1440.8
7.5°	1429.2	1421.5	1442.7	1450.4	1452.4
10°	1417.6	1417.6	1446.6	1458.2	1462.0
12.5°	1402.1	1407.9	1446.6	1463.9	1473.6
15°	1384.8	1396.4	1446.6	1473.6	1483.3
17.5°	1363.5	1382.8	1442.7	1475.5	1489.1
20°	1338.4	1367.4	1436.9	1475.5	1492.9
22.5°	1311.4	1348.1	1429.2	1471.7	1492.9
25°	1282.4	1324.9	1417.6	1467.8	1491.0
27.5°	1247.6	1301.7	1404.1	1462.0	1489.1
30°	1212.9	1274.7	1388.6	1454.3	1483.3
32.5°	1174.2	1245.7	1369.3	1442.7	1475.5
35°	1133.7	1216.7	1348.1	1431.1	1465.9
37.5°	1093.1	1182.0	1326.8	1415.7	1454.3
40°	1048.7	1147.2	1301.7	1396.4	1436.9
42.5°	1015.9	1110.5	1274.7	1377.0	1419.5
45°	954.1	1083.5	1243.8	1351.9	1398.3
47.5°	905.8	1031.3	1212.9	1326.8	1375.1
50°	874.9	988.8	1176.2	1297.9	1348.1
52.5°	801.5	959.9	1141.4	1268.9	1323.0
55°	772.5	901.9	1102.8	1238.0	1292.1
57.5°	693.3	861.4	1064.2	1203.2	1259.2
60°	654.7	805.4	1021.7	1168.5	1226.4
62.5°	594.8	757.1	979.2	1129.8	1189.7
65°	529.2	704.9	932.8	1093.1	1154.9
67.5°	467.4	652.8	888.4	1054.5	1120.2
70°	407.5	598.7	842.1	1015.9	1081.5
72.5°	338.0	544.6	797.6	979.2	1044.9
75°	278.1	492.5	755.2	940.6	1006.2
77.5°	220.2	442.3	714.6	905.8	971.5
80°	166.1	394.0	674.0	869.1	936.7
82.5°	115.9	353.4	637.3	834.3	900.0
85°	71.5	316.7	602.6	797.6	865.2
87.5°	32.8	283.9	567.8	762.9	832.4
90°	3.9	258.8	538.8	733.9	801.5
92.5°	1.9	251.1	527.3	720.4	786.1
95°	0.0	243.3	521.5	712.7	778.3
97.5°	0.0	235.6	507.9	701.1	768.7
100°	0.0	231.8	498.3	683.7	749.4
102.5°	0.0	226.0	486.7	668.2	733.9
105°	0.0	224.0	475.1	654.7	718.5
107.5°	0.0	220.2	463.5	637.3	701.1
110°	0.0	216.3	453.9	621.9	683.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	212.4	444.2	606.4	666.3
115°	0.0	208.6	432.6	589.1	647.0
117.5°	0.0	202.8	421.0	571.7	629.6
120°	0.0	195.1	409.4	556.2	610.3
122.5°	0.0	187.3	397.9	536.9	589.1
125°	0.0	179.6	384.3	519.5	569.7
127.5°	0.0	168.0	368.9	500.2	546.6
130°	0.0	156.4	349.6	480.9	525.3
132.5°	1.9	144.8	330.3	459.7	504.1
135°	0.0	133.3	309.0	438.4	479.0
137.5°	0.0	123.6	285.8	415.2	453.9
140°	0.0	112.0	262.7	388.2	428.8
142.5°	0.0	98.5	239.5	359.2	401.7
145°	0.0	86.9	216.3	328.3	374.7
147.5°	1.9	77.3	195.1	295.5	345.7
150°	1.9	69.5	173.8	262.7	312.9
152.5°	1.9	61.8	152.6	231.8	280.0
155°	1.9	54.1	133.3	200.9	249.1
157.5°	1.9	46.4	112.0	170.0	216.3
160°	1.9	40.6	92.7	142.9	185.4
162.5°	1.9	34.8	75.3	112.0	152.6
165°	1.9	29.0	59.9	83.0	117.8
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)