

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-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-LD5-88SL-SLW-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

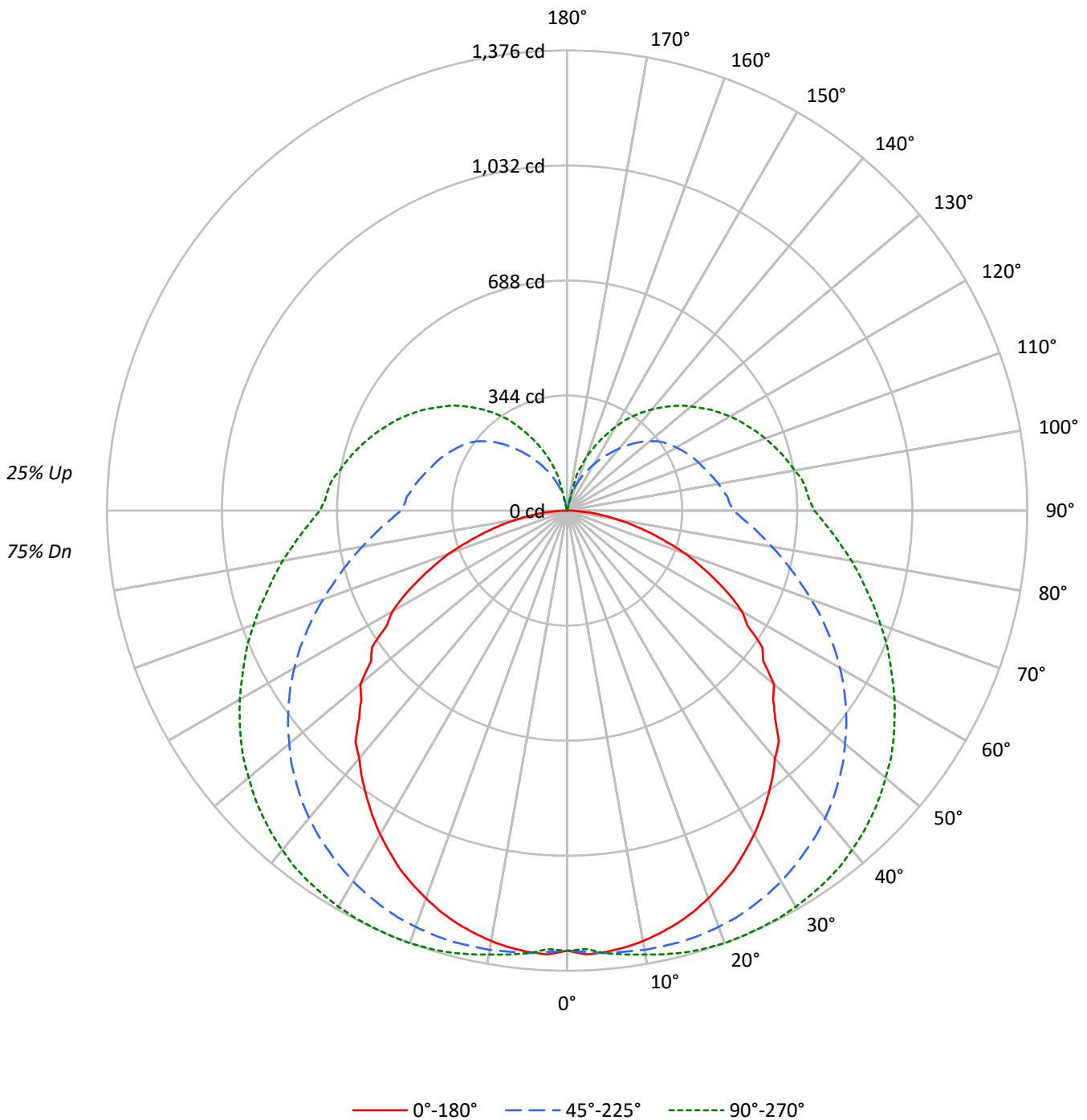
Lumens per Lamp: N/A
Luminaire Lumens: 7578.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-88SL-SLW-UNV-L950-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°	5317	5317	5317
5°	5366	5261	5217
10°	5348	5218	5187
15°	5319	5194	5198
20°	5276	5176	5207
25°	5233	5161	5216
30°	5171	5151	5244
35°	5100	5136	5279
40°	5034	5138	5314
45°	4949	5134	5356
50°	4978	5128	5398
55°	4908	5135	5463
60°	4750	5147	5537
65°	4513	5162	5641
70°	4256	5213	5799
75°	3782	5350	6032
80°	3272	5631	6422
85°	2592	6191	6991



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-88SL-SLW-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	1.7
10°-20°	374.9	4.9
20°-30°	595.8	7.9
30°-40°	764.7	10.1
40°-50°	863.5	11.4
50°-60°	881.1	11.6
60°-70°	816.3	10.8
70°-80°	691.1	9.1
80°-90°	551.7	7.3
90°-100°	468.4	6.2
100°-110°	417.3	5.5
110°-120°	355.5	4.7
120°-130°	282.3	3.7
130°-140°	200.3	2.6
140°-150°	119.6	1.6
150°-160°	55.7	0.7
160°-170°	13.2	0.2
170°-180°	0.0	0.0
0°-30°	1097.2	14.5
0°-40°	1861.9	24.6
0°-60°	3606.5	47.6
0°-90°	5665.6	74.8
90°-120°	1241.2	16.4
90°-150°	1843.4	24.3
90°-180°	1912.0	25.2
0°-180°	7578.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1316	1316	1316	1316	1316	
5°	1325	1314	1328	1328	1328	126
15°	1277	1288	1334	1359	1368	360
25°	1182	1222	1307	1353	1375	544
35°	1045	1122	1243	1320	1352	654
45°	880	999	1147	1246	1289	683
55°	712	832	1017	1141	1191	625
65°	488	650	860	1008	1065	484
75°	256	454	696	867	928	273
85°	66	292	556	735	798	72
90°	4	239	497	677	739	5
95°	0	224	481	657	718	0
105°	0	207	438	604	662	0
115°	0	192	399	543	596	0
125°	0	166	354	479	525	0
135°	0	123	285	404	442	0
145°	0	80	199	303	346	1
155°	2	50	123	185	230	1
165°	2	27	55	77	109	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-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1315.9	1315.9	1315.9	1315.9	1315.9
2.5°	1328.4	1314.2	1321.3	1319.5	1312.4
5°	1324.8	1314.2	1328.4	1328.4	1328.4
7.5°	1317.7	1310.6	1330.2	1337.3	1339.1
10°	1307.0	1307.0	1333.7	1344.4	1348.0
12.5°	1292.8	1298.1	1333.7	1349.8	1358.7
15°	1276.8	1287.5	1333.7	1358.7	1367.6
17.5°	1257.2	1275.0	1330.2	1360.5	1372.9
20°	1234.0	1260.7	1324.8	1360.5	1376.5
22.5°	1209.1	1242.9	1317.7	1356.9	1376.5
25°	1182.4	1221.6	1307.0	1353.3	1374.7
27.5°	1150.3	1200.2	1294.6	1348.0	1372.9
30°	1118.3	1175.3	1280.3	1340.9	1367.6
32.5°	1082.7	1148.6	1262.5	1330.2	1360.5
35°	1045.3	1121.8	1242.9	1319.5	1351.6
37.5°	1007.9	1089.8	1223.3	1305.3	1340.9
40°	966.9	1057.7	1200.2	1287.5	1324.8
42.5°	936.7	1023.9	1175.3	1269.6	1308.8
45°	879.7	999.0	1146.8	1246.5	1289.2
47.5°	835.2	950.9	1118.3	1223.3	1267.9
50°	806.7	911.7	1084.5	1196.6	1242.9
52.5°	739.0	885.0	1052.4	1169.9	1219.8
55°	712.3	831.6	1016.8	1141.4	1191.3
57.5°	639.3	794.2	981.2	1109.4	1161.0
60°	603.7	742.6	942.0	1077.3	1130.7
62.5°	548.5	698.0	902.8	1041.7	1096.9
65°	487.9	650.0	860.1	1007.9	1064.9
67.5°	430.9	601.9	819.1	972.3	1032.8
70°	375.7	552.0	776.4	936.7	997.2
72.5°	311.6	502.2	735.4	902.8	963.4
75°	256.4	454.1	696.3	867.2	927.7
77.5°	203.0	407.8	658.9	835.2	895.7
80°	153.1	363.3	621.5	801.3	863.6
82.5°	106.8	325.9	587.6	769.3	829.8
85°	65.9	292.0	555.6	735.4	797.8
87.5°	30.3	261.8	523.5	703.4	767.5
90°	3.6	238.6	496.8	676.7	739.0
92.5°	1.8	231.5	486.1	664.2	724.7
95°	0.0	224.4	480.8	657.1	717.6
97.5°	0.0	217.2	468.3	646.4	708.7
100°	0.0	213.7	459.4	630.4	690.9
102.5°	0.0	208.3	448.7	616.1	676.7
105°	0.0	206.6	438.1	603.7	662.4
107.5°	0.0	203.0	427.4	587.6	646.4
110°	0.0	199.4	418.5	573.4	630.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-88SL-SLW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	195.9	409.6	559.1	614.3
115°	0.0	192.3	398.9	543.1	596.5
117.5°	0.0	187.0	388.2	527.1	580.5
120°	0.0	179.9	377.5	512.8	562.7
122.5°	0.0	172.7	366.8	495.0	543.1
125°	0.0	165.6	354.4	479.0	525.3
127.5°	0.0	154.9	340.1	461.2	503.9
130°	0.0	144.2	322.3	443.4	484.4
132.5°	1.8	133.6	304.5	423.8	464.8
135°	0.0	122.9	284.9	404.2	441.6
137.5°	0.0	114.0	263.5	382.9	418.5
140°	0.0	103.3	242.2	357.9	395.3
142.5°	0.0	90.8	220.8	331.2	370.4
145°	0.0	80.1	199.4	302.7	345.5
147.5°	1.8	71.2	179.9	272.4	318.7
150°	1.8	64.1	160.3	242.2	288.5
152.5°	1.8	57.0	140.7	213.7	258.2
155°	1.8	49.9	122.9	185.2	229.7
157.5°	1.8	42.7	103.3	156.7	199.4
160°	1.8	37.4	85.5	131.8	170.9
162.5°	1.8	32.1	69.4	103.3	140.7
165°	1.8	26.7	55.2	76.6	108.6
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)