

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

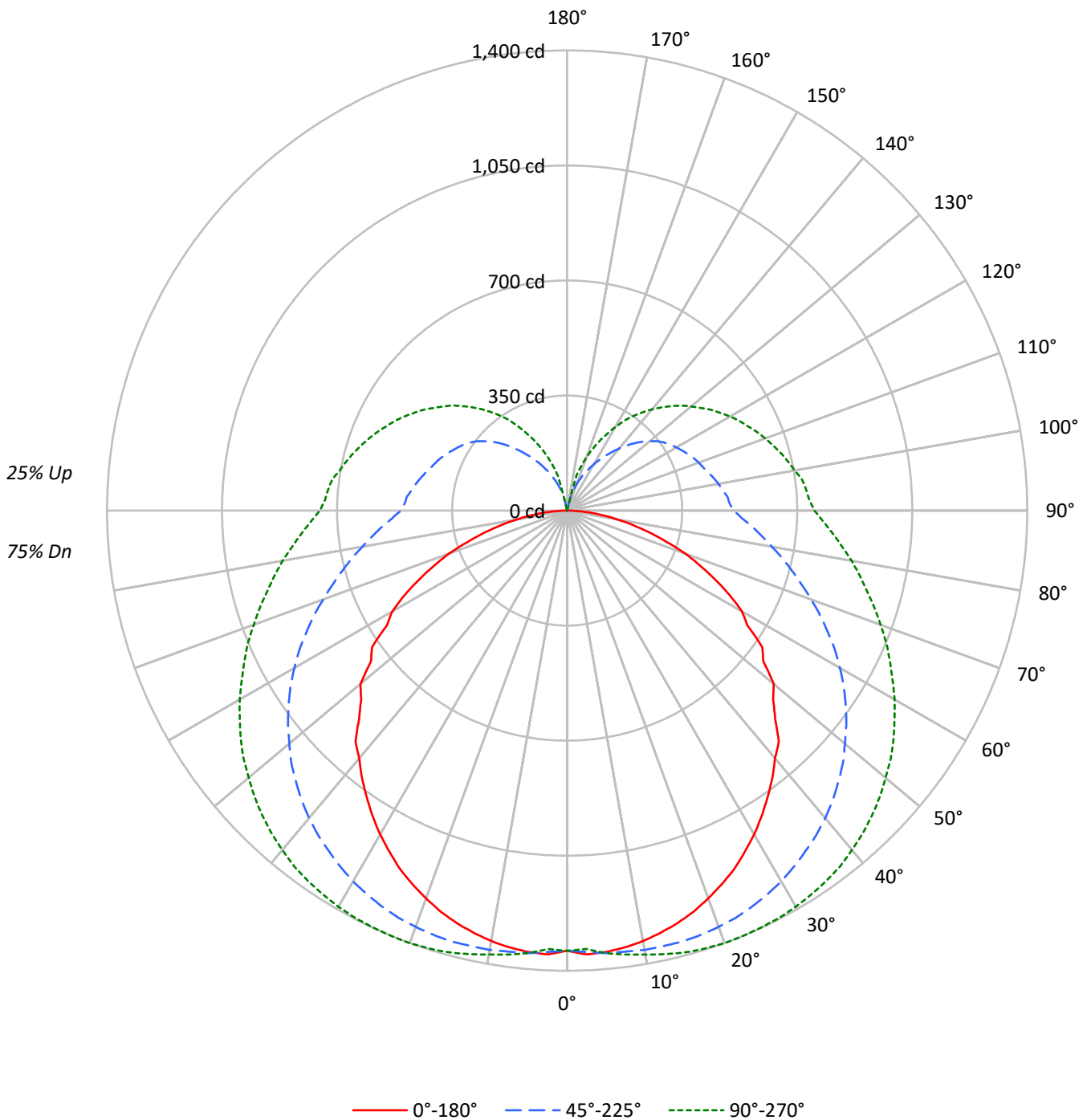
Lumens per Lamp: N/A
Luminaire Lumens: 7710.0 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 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°	5410	5410	5410
5°	5460	5352	5307
10°	5441	5309	5278
15°	5411	5285	5288
20°	5368	5266	5298
25°	5324	5251	5307
30°	5261	5241	5335
35°	5189	5226	5371
40°	5122	5228	5407
45°	5035	5223	5450
50°	5065	5216	5492
55°	4994	5225	5558
60°	4833	5237	5634
65°	4592	5252	5739
70°	4330	5303	5901
75°	3849	5443	6137
80°	3330	5729	6535
85°	2635	6300	7113



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	1.7
10°-20°	381.4	4.9
20°-30°	606.2	7.9
30°-40°	778.0	10.1
40°-50°	878.6	11.4
50°-60°	896.5	11.6
60°-70°	830.5	10.8
70°-80°	703.1	9.1
80°-90°	561.3	7.3
90°-100°	476.6	6.2
100°-110°	424.6	5.5
110°-120°	361.7	4.7
120°-130°	287.3	3.7
130°-140°	203.8	2.6
140°-150°	121.7	1.6
150°-160°	56.7	0.7
160°-170°	13.5	0.2
170°-180°	0.0	0.0
0°-30°	1116.3	14.5
0°-40°	1894.3	24.6
0°-60°	3669.4	47.6
0°-90°	5764.3	74.8
90°-120°	1262.9	16.4
90°-150°	1875.6	24.3
90°-180°	1946.0	25.2
0°-180°	7710.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1339	1339	1339	1339	1339	
5°	1348	1337	1352	1352	1352	128
15°	1299	1310	1357	1382	1391	366
25°	1203	1243	1330	1377	1399	554
35°	1064	1141	1265	1342	1375	666
45°	895	1016	1167	1268	1312	695
55°	725	846	1034	1161	1212	636
65°	496	661	875	1025	1083	493
75°	261	462	708	882	944	278
85°	67	297	565	748	812	73
90°	4	243	506	688	752	5
95°	0	228	489	668	730	0
105°	0	210	446	614	674	0
115°	0	196	406	553	607	0
125°	0	168	360	487	534	0
135°	0	125	290	411	449	0
145°	0	82	203	308	352	1
155°	2	51	125	188	234	1
165°	2	27	56	78	110	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°	1338.9	1338.9	1338.9	1338.9	1338.9
2.5°	1351.5	1337.1	1344.3	1342.5	1335.2
5°	1347.9	1337.1	1351.5	1351.5	1351.5
7.5°	1340.7	1333.4	1353.4	1360.6	1362.4
10°	1329.8	1329.8	1357.0	1367.9	1371.5
12.5°	1315.3	1320.7	1357.0	1373.3	1382.3
15°	1299.0	1309.9	1357.0	1382.3	1391.4
17.5°	1279.1	1297.2	1353.4	1384.2	1396.8
20°	1255.5	1282.7	1347.9	1384.2	1400.5
22.5°	1230.2	1264.6	1340.7	1380.5	1400.5
25°	1203.0	1242.8	1329.8	1376.9	1398.7
27.5°	1170.4	1221.1	1317.1	1371.5	1396.8
30°	1137.8	1195.7	1302.6	1364.2	1391.4
32.5°	1101.5	1168.6	1284.5	1353.4	1384.2
35°	1063.5	1141.4	1264.6	1342.5	1375.1
37.5°	1025.4	1108.8	1244.7	1328.0	1364.2
40°	983.8	1076.2	1221.1	1309.9	1347.9
42.5°	953.0	1041.7	1195.7	1291.8	1331.6
45°	895.0	1016.4	1166.8	1268.2	1311.7
47.5°	849.7	967.5	1137.8	1244.7	1289.9
50°	820.7	927.6	1103.3	1217.5	1264.6
52.5°	751.9	900.4	1070.7	1190.3	1241.0
55°	724.7	846.1	1034.5	1161.3	1212.0
57.5°	650.4	808.0	998.3	1128.7	1181.2
60°	614.2	755.5	958.4	1096.1	1150.4
62.5°	558.0	710.2	918.5	1059.9	1116.0
65°	496.4	661.3	875.1	1025.4	1083.4
67.5°	438.4	612.4	833.4	989.2	1050.8
70°	382.3	561.6	789.9	953.0	1014.6
72.5°	317.1	510.9	748.2	918.5	980.1
75°	260.9	462.0	708.4	882.3	943.9
77.5°	206.5	414.9	670.3	849.7	911.3
80°	155.8	369.6	632.3	815.3	878.7
82.5°	108.7	331.5	597.9	782.7	844.3
85°	67.0	297.1	565.3	748.2	811.7
87.5°	30.8	266.3	532.6	715.6	780.9
90°	3.6	242.8	505.5	688.5	751.9
92.5°	1.8	235.5	494.6	675.8	737.4
95°	0.0	228.3	489.2	668.5	730.1
97.5°	0.0	221.0	476.5	657.7	721.1
100°	0.0	217.4	467.4	641.4	702.9
102.5°	0.0	212.0	456.6	626.9	688.5
105°	0.0	210.2	445.7	614.2	674.0
107.5°	0.0	206.5	434.8	597.9	657.7
110°	0.0	202.9	425.8	583.4	641.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	199.3	416.7	568.9	625.0
115°	0.0	195.7	405.8	552.6	606.9
117.5°	0.0	190.2	395.0	536.3	590.6
120°	0.0	183.0	384.1	521.8	572.5
122.5°	0.0	175.7	373.2	503.7	552.6
125°	0.0	168.5	360.5	487.4	534.5
127.5°	0.0	157.6	346.0	469.2	512.7
130°	0.0	146.7	327.9	451.1	492.8
132.5°	1.8	135.9	309.8	431.2	472.9
135°	0.0	125.0	289.9	411.3	449.3
137.5°	0.0	116.0	268.1	389.5	425.8
140°	0.0	105.1	246.4	364.2	402.2
142.5°	0.0	92.4	224.7	337.0	376.8
145°	0.0	81.5	202.9	308.0	351.5
147.5°	1.8	72.5	183.0	277.2	324.3
150°	1.8	65.2	163.1	246.4	293.5
152.5°	1.8	58.0	143.1	217.4	262.7
155°	1.8	50.7	125.0	188.4	233.7
157.5°	1.8	43.5	105.1	159.4	202.9
160°	1.8	38.0	87.0	134.1	173.9
162.5°	1.8	32.6	70.7	105.1	143.1
165°	1.8	27.2	56.2	77.9	110.5
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)