

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-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-LD5-95SL-SLW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

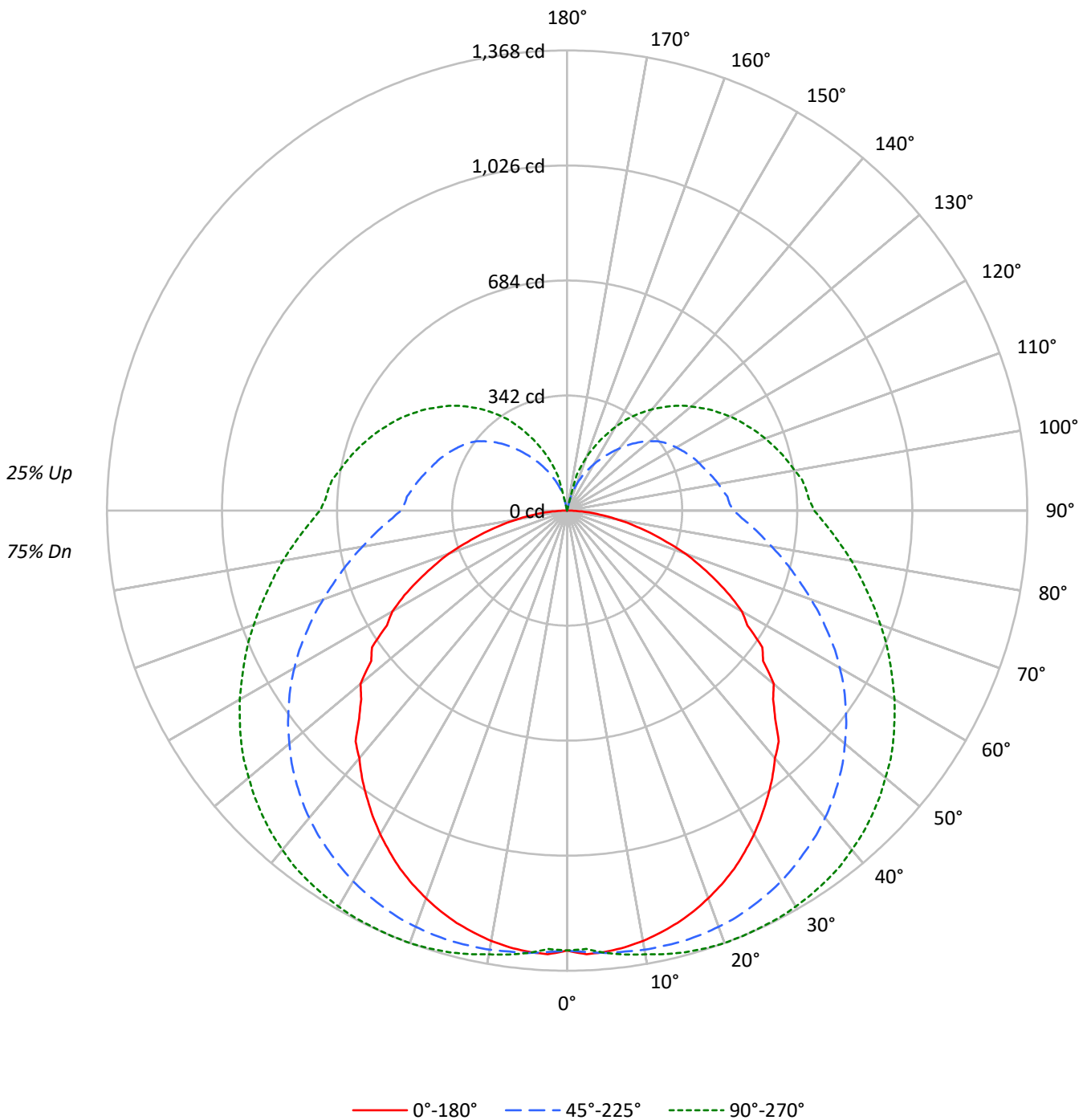
Lumens per Lamp: N/A
Luminaire Lumens: 7532.0 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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°	5285	5285	5285
5°	5334	5229	5185
10°	5315	5186	5156
15°	5286	5163	5166
20°	5244	5144	5175
25°	5201	5130	5184
30°	5139	5120	5212
35°	5069	5105	5247
40°	5004	5107	5282
45°	4919	5102	5324
50°	4948	5096	5365
55°	4879	5104	5430
60°	4721	5116	5504
65°	4487	5131	5606
70°	4230	5181	5764
75°	3760	5317	5996
80°	3253	5597	6384
85°	2576	6154	6948



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.7	1.7
10°-20°	372.6	4.9
20°-30°	592.2	7.9
30°-40°	760.1	10.1
40°-50°	858.3	11.4
50°-60°	875.8	11.6
60°-70°	811.3	10.8
70°-80°	686.9	9.1
80°-90°	548.3	7.3
90°-100°	465.6	6.2
100°-110°	414.8	5.5
110°-120°	353.3	4.7
120°-130°	280.6	3.7
130°-140°	199.1	2.6
140°-150°	118.9	1.6
150°-160°	55.4	0.7
160°-170°	13.2	0.2
170°-180°	0.0	0.0
0°-30°	1090.5	14.5
0°-40°	1850.6	24.6
0°-60°	3584.6	47.6
0°-90°	5631.2	74.8
90°-120°	1233.7	16.4
90°-150°	1832.3	24.3
90°-180°	1901.0	25.2
0°-180°	7532.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1308	1308	1308	1308	1308	
5°	1317	1306	1320	1320	1320	125
15°	1269	1280	1326	1350	1359	358
25°	1175	1214	1299	1345	1366	541
35°	1039	1115	1235	1312	1343	650
45°	874	993	1140	1239	1281	679
55°	708	826	1011	1134	1184	622
65°	485	646	855	1002	1058	481
75°	255	451	692	862	922	271
85°	66	290	552	731	793	71
90°	4	237	494	673	734	5
95°	0	223	478	653	713	0
105°	0	205	435	600	658	0
115°	0	191	396	540	593	0
125°	0	165	352	476	522	0
135°	0	122	283	402	439	0
145°	0	80	198	301	343	1
155°	2	50	122	184	228	1
165°	2	26	55	76	108	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1308.0	1308.0	1308.0	1308.0	1308.0
2.5°	1320.3	1306.2	1313.3	1311.5	1304.4
5°	1316.8	1306.2	1320.3	1320.3	1320.3
7.5°	1309.7	1302.6	1322.1	1329.2	1331.0
10°	1299.1	1299.1	1325.7	1336.3	1339.8
12.5°	1284.9	1290.3	1325.7	1341.6	1350.4
15°	1269.0	1279.6	1325.7	1350.4	1359.3
17.5°	1249.5	1267.2	1322.1	1352.2	1364.6
20°	1226.5	1253.1	1316.8	1352.2	1368.1
22.5°	1201.8	1235.4	1309.7	1348.7	1368.1
25°	1175.2	1214.1	1299.1	1345.1	1366.4
27.5°	1143.4	1192.9	1286.7	1339.8	1364.6
30°	1111.5	1168.1	1272.6	1332.7	1359.3
32.5°	1076.1	1141.6	1254.9	1322.1	1352.2
35°	1038.9	1115.0	1235.4	1311.5	1343.4
37.5°	1001.8	1083.2	1215.9	1297.3	1332.7
40°	961.1	1051.3	1192.9	1279.6	1316.8
42.5°	931.0	1017.7	1168.1	1261.9	1300.9
45°	874.3	992.9	1139.8	1238.9	1281.4
47.5°	830.1	945.1	1111.5	1215.9	1260.2
50°	801.8	906.2	1077.9	1189.4	1235.4
52.5°	734.5	879.6	1046.0	1162.8	1212.4
55°	708.0	826.5	1010.6	1134.5	1184.1
57.5°	635.4	789.4	975.2	1102.6	1154.0
60°	600.0	738.0	936.3	1070.8	1123.9
62.5°	545.1	693.8	897.3	1035.4	1090.3
65°	485.0	646.0	854.9	1001.8	1058.4
67.5°	428.3	598.2	814.2	966.4	1026.5
70°	373.4	548.7	771.7	931.0	991.1
72.5°	309.7	499.1	731.0	897.3	957.5
75°	254.9	451.3	692.0	861.9	922.1
77.5°	201.8	405.3	654.9	830.1	890.3
80°	152.2	361.1	617.7	796.5	858.4
82.5°	106.2	323.9	584.1	764.6	824.8
85°	65.5	290.3	552.2	731.0	792.9
87.5°	30.1	260.2	520.3	699.1	762.8
90°	3.5	237.2	493.8	672.6	734.5
92.5°	1.8	230.1	483.2	660.2	720.3
95°	0.0	223.0	477.9	653.1	713.3
97.5°	0.0	215.9	465.5	642.5	704.4
100°	0.0	212.4	456.6	626.5	686.7
102.5°	0.0	207.1	446.0	612.4	672.6
105°	0.0	205.3	435.4	600.0	658.4
107.5°	0.0	201.8	424.8	584.1	642.5
110°	0.0	198.2	415.9	569.9	626.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	194.7	407.1	555.7	610.6
115°	0.0	191.1	396.5	539.8	592.9
117.5°	0.0	185.8	385.8	523.9	577.0
120°	0.0	178.8	375.2	509.7	559.3
122.5°	0.0	171.7	364.6	492.0	539.8
125°	0.0	164.6	352.2	476.1	522.1
127.5°	0.0	154.0	338.1	458.4	500.9
130°	0.0	143.4	320.4	440.7	481.4
132.5°	1.8	132.7	302.7	421.2	461.9
135°	0.0	122.1	283.2	401.8	438.9
137.5°	0.0	113.3	261.9	380.5	415.9
140°	0.0	102.7	240.7	355.7	392.9
142.5°	0.0	90.3	219.5	329.2	368.1
145°	0.0	79.6	198.2	300.9	343.4
147.5°	1.8	70.8	178.8	270.8	316.8
150°	1.8	63.7	159.3	240.7	286.7
152.5°	1.8	56.6	139.8	212.4	256.6
155°	1.8	49.6	122.1	184.1	228.3
157.5°	1.8	42.5	102.7	155.8	198.2
160°	1.8	37.2	85.0	131.0	169.9
162.5°	1.8	31.9	69.0	102.7	139.8
165°	1.8	26.5	54.9	76.1	108.0
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)