

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: **4SNLED-LD5-37SL-SLC-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 (P27404)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-37SL-SLC-UNV-L950-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

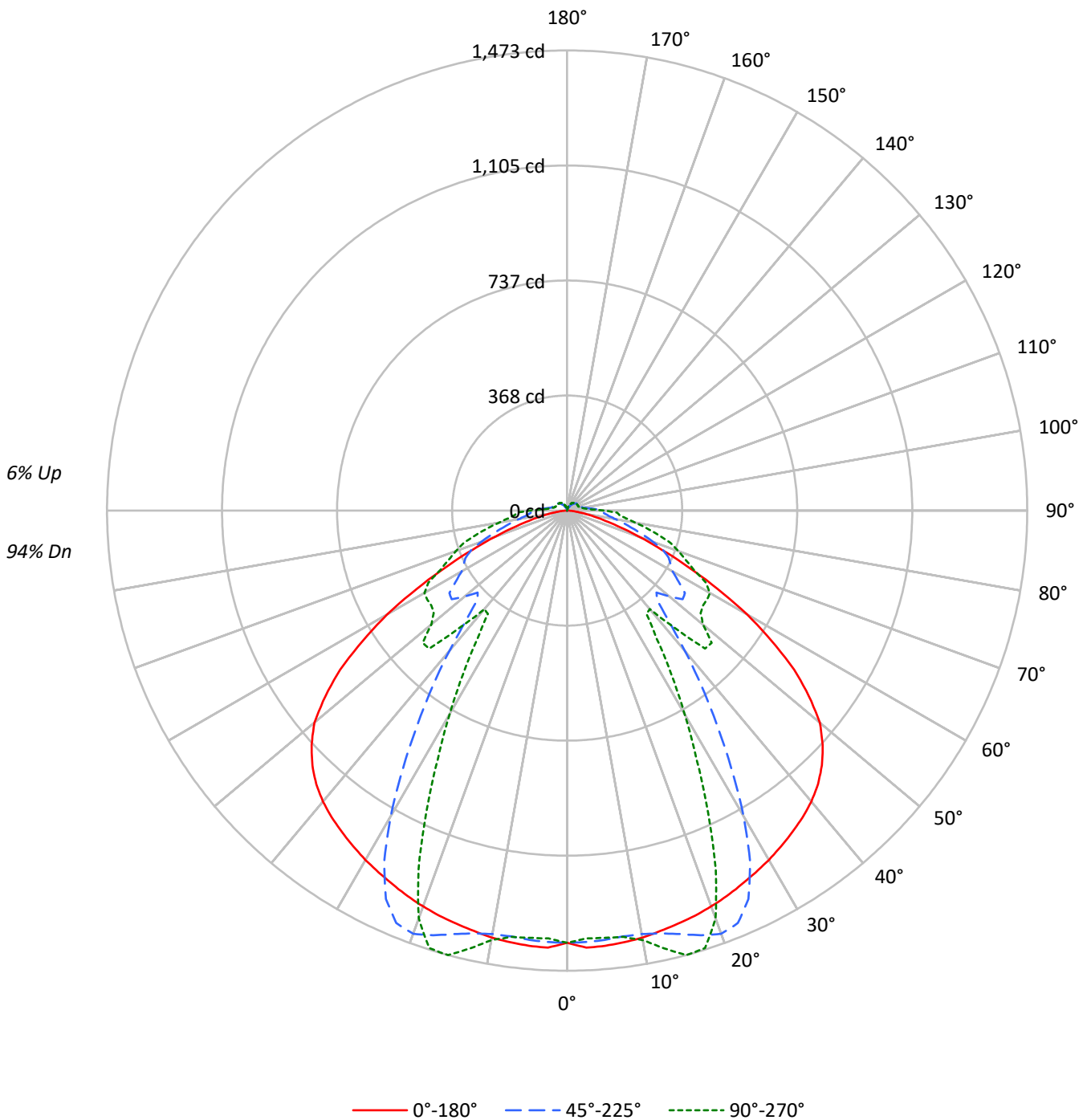
Lumens per Lamp: N/A  
Luminaire Lumens: 3553.0 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	11177	11177	11177
5°	11314	10916	10781
10°	11327	10749	10744
15°	11359	10901	11199
20°	11464	11225	10511
25°	11607	10788	8094
30°	11836	9036	5757
35°	12129	6843	3898
40°	12500	4974	3301
45°	12783	3609	5189
50°	12802	3996	4925
55°	11966	4598	4863
60°	10194	4208	5169
65°	7670	4244	4729
70°	5383	3864	4401
75°	3526	3237	3949
80°	2249	2772	3287
85°	1216	2635	2951



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.6	3.7
10°-20°	397.4	11.2
20°-30°	577.3	16.2
30°-40°	551.6	15.5
40°-50°	504.5	14.2
50°-60°	465.8	13.1
60°-70°	370.0	10.4
70°-80°	228.4	6.4
80°-90°	124.4	3.5
90°-100°	62.9	1.8
100°-110°	39.5	1.1
110°-120°	33.5	0.9
120°-130°	27.3	0.8
130°-140°	19.6	0.6
140°-150°	12.1	0.3
150°-160°	5.7	0.2
160°-170°	1.5	0.0
170°-180°	0.0	0.0
0°-30°	1106.2	31.1
0°-40°	1657.8	46.7
0°-60°	2628.2	74.0
0°-90°	3350.9	94.3
90°-120°	135.8	3.8
90°-150°	194.8	5.5
90°-180°	202.0	5.7
0°-180°	3553.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1383	1383	1383	1383	1383	
5°	1398	1377	1380	1372	1373	133
15°	1369	1351	1403	1455	1473	387
25°	1321	1346	1372	1162	1067	610
35°	1256	1236	833	574	499	788
45°	1154	804	407	519	624	887
55°	887	413	460	495	530	781
65°	428	268	359	436	446	433
75°	126	143	215	285	304	143
85°	18	61	122	166	168	23
90°	1	45	109	129	119	1
95°	0	42	75	67	63	0
105°	0	38	46	42	42	0
115°	0	31	45	40	38	0
125°	1	25	40	39	37	0
135°	1	18	32	35	34	0
145°	1	11	22	28	30	0
155°	1	7	14	18	21	0
165°	1	4	7	9	12	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°	1383.1	1383.1	1383.1	1383.1	1383.1
2.5°	1400.3	1380.1	1382.5	1378.3	1370.9
5°	1398.5	1377.0	1379.5	1372.1	1372.7
7.5°	1393.6	1371.5	1374.6	1373.4	1376.4
10°	1388.0	1364.8	1376.4	1386.8	1396.0
12.5°	1378.3	1357.4	1385.6	1416.2	1435.2
15°	1369.1	1350.7	1403.4	1455.4	1473.2
17.5°	1359.9	1348.2	1425.4	1470.7	1468.3
20°	1348.2	1347.0	1441.9	1426.6	1389.3
22.5°	1335.4	1347.6	1429.1	1317.0	1243.5
25°	1320.7	1346.4	1372.1	1161.5	1066.6
27.5°	1306.0	1340.9	1268.7	991.3	897.6
30°	1291.3	1326.2	1129.1	835.8	750.7
32.5°	1274.2	1294.4	977.2	698.0	619.6
35°	1256.4	1236.2	833.3	573.7	499.0
37.5°	1238.0	1152.3	704.1	464.7	417.0
40°	1216.0	1047.0	585.3	398.6	411.5
42.5°	1188.4	928.2	480.6	418.2	507.6
45°	1153.5	804.5	406.6	518.6	624.5
47.5°	1109.5	685.8	388.2	593.9	627.0
50°	1056.2	576.8	426.8	569.4	567.0
52.5°	975.4	486.2	465.9	519.2	538.8
55°	887.2	412.7	460.4	495.3	530.2
57.5°	775.8	363.1	422.5	490.4	530.8
60°	664.9	330.0	390.0	489.8	527.8
62.5°	542.5	300.0	373.5	478.2	500.8
65°	428.0	267.6	358.8	435.9	446.4
67.5°	328.2	234.5	333.1	388.8	409.6
70°	247.4	202.1	292.7	352.7	378.4
72.5°	178.2	171.4	251.0	320.8	347.8
75°	126.1	142.7	214.9	284.7	303.7
77.5°	86.9	116.3	184.3	244.9	260.2
80°	56.9	93.1	156.7	210.6	221.0
82.5°	34.3	74.7	135.9	184.3	189.8
85°	17.8	60.6	121.8	165.9	168.4
87.5°	5.5	50.8	113.9	157.4	160.4
90°	0.6	45.3	109.0	129.2	119.4
92.5°	0.0	42.9	94.3	88.2	79.0
95°	0.0	42.2	75.3	66.7	63.1
97.5°	0.0	41.0	61.8	55.7	53.9
100°	0.0	39.8	53.3	49.0	48.4
102.5°	0.0	39.2	48.4	44.7	44.1
105°	0.0	38.0	46.5	42.2	41.6
107.5°	0.0	36.1	45.3	41.0	39.8
110°	0.0	34.3	45.3	40.4	38.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	32.5	45.3	39.8	38.0
115°	0.0	31.2	44.7	39.8	38.0
117.5°	0.6	30.0	44.1	39.8	38.0
120°	0.0	28.8	42.9	39.8	37.3
122.5°	0.6	26.9	41.6	39.2	37.3
125°	0.6	25.1	39.8	38.6	36.7
127.5°	0.6	23.3	38.0	37.3	35.5
130°	0.6	21.4	36.1	36.7	34.9
132.5°	0.6	19.6	33.7	35.5	34.3
135°	0.6	17.8	31.8	34.9	33.7
137.5°	0.6	15.9	29.4	33.1	33.1
140°	0.6	14.1	26.9	31.8	32.5
142.5°	0.6	12.9	24.5	30.6	31.2
145°	0.6	11.0	22.0	28.2	30.0
147.5°	0.6	9.8	19.6	25.7	28.2
150°	0.6	8.6	17.1	23.3	25.7
152.5°	0.6	7.3	15.3	20.2	23.9
155°	1.2	6.7	13.5	17.8	21.4
157.5°	1.2	5.5	11.0	15.3	18.4
160°	1.2	4.9	9.8	12.9	16.5
162.5°	1.2	4.3	8.0	11.0	14.1
165°	1.2	3.7	6.7	8.6	11.6
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)