

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: **4SRL-LD5-30SL-LC-UNV-L830-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-30SL-LC-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

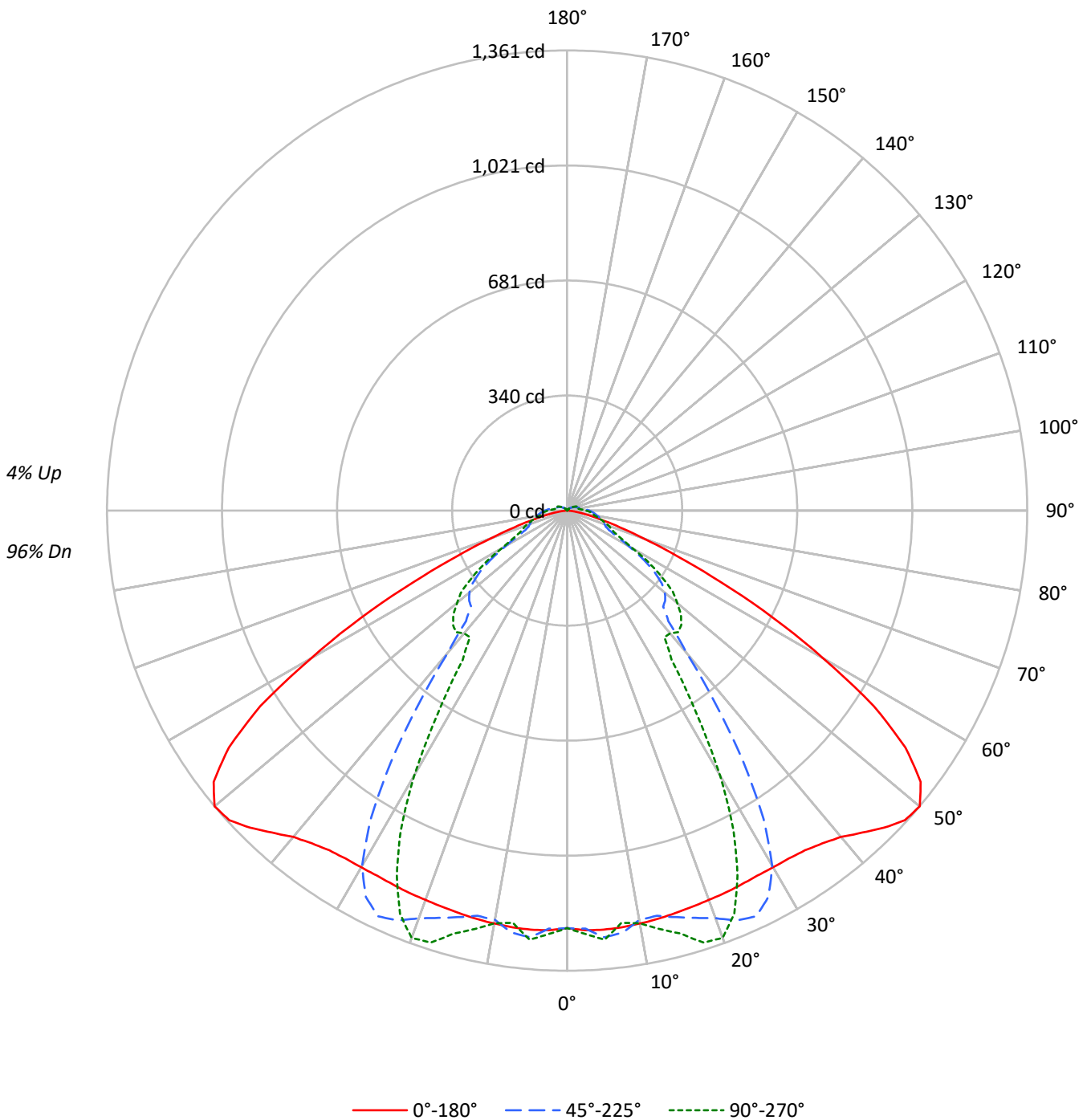
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2979.0 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.2
Input Voltage (V): NR
Input Current (A_{in}): 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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	96	
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	54	
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	59	54	50	48	
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	54	49	45	43	
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	50	45	40	38	
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	46	41	37	35	
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	43	37	33	32	
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	40	34	31	29	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14504	14504	14504
5°	14606	14304	14189
10°	14671	13458	13227
15°	14805	13334	13357
20°	15060	13548	13520
25°	15479	13888	11781
30°	16094	12742	8865
35°	17038	9637	5266
40°	18605	5902	4659
45°	21064	4436	4755
50°	23587	4309	4327
55°	23479	3738	3578
60°	19063	2638	2424
65°	12676	1825	1759
70°	7313	1694	1587
75°	4019	1662	1348
80°	2220	1594	1150
85°	1011	1572	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	4.0
10°-20°	358.1	12.0
20°-30°	570.0	19.1
30°-40°	580.9	19.5
40°-50°	490.6	16.5
50°-60°	378.2	12.7
60°-70°	195.4	6.6
70°-80°	107.9	3.6
80°-90°	68.7	2.3
90°-100°	42.3	1.4
100°-110°	27.3	0.9
110°-120°	19.8	0.7
120°-130°	11.4	0.4
130°-140°	5.5	0.2
140°-150°	2.3	0.1
150°-160°	0.8	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1047.5	35.2
0°-40°	1628.4	54.7
0°-60°	2497.2	83.8
0°-90°	2869.3	96.3
90°-120°	89.3	3.0
90°-150°	108.5	3.6
90°-180°	110.0	3.7
0°-180°	2979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1235	1235	1235	1235	1235	
5°	1244	1249	1267	1279	1274	119
15°	1233	1233	1245	1289	1295	349
25°	1220	1228	1324	1259	1192	565
35°	1226	1284	909	618	539	774
45°	1326	774	402	463	477	1024
55°	1221	285	314	341	341	1058
65°	501	130	137	154	154	517
75°	104	86	106	106	104	125
85°	11	56	79	76	72	16
90°	0	43	65	60	56	1
95°	0	34	52	46	42	0
105°	0	20	34	32	30	0
115°	1	12	25	30	29	0
125°	1	6	16	19	17	1
135°	1	3	9	11	9	0
145°	1	1	4	6	4	0
155°	1	1	2	2	1	0
165°	1	1	1	1	0	0
175°	1	1	1	1	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1235.2	1235.2	1235.2	1235.2	1235.2
2.5°	1242.2	1237.8	1237.8	1253.7	1253.7
5°	1244.1	1248.6	1267.0	1279.1	1274.0
7.5°	1242.9	1263.2	1258.8	1241.0	1229.5
10°	1240.3	1270.8	1228.9	1241.0	1239.7
12.5°	1237.2	1259.4	1227.6	1270.2	1267.7
15°	1232.7	1233.3	1244.8	1289.3	1295.0
17.5°	1228.9	1216.8	1263.2	1322.9	1339.5
20°	1225.1	1211.7	1282.9	1351.5	1344.5
22.5°	1223.2	1216.2	1312.1	1329.9	1291.2
25°	1220.0	1228.3	1323.6	1258.8	1192.0
27.5°	1217.5	1242.2	1288.6	1137.4	1066.2
30°	1218.1	1261.9	1213.0	995.1	905.5
32.5°	1220.0	1281.0	1081.5	804.4	711.7
35°	1226.4	1284.2	909.3	618.3	538.8
37.5°	1240.3	1249.2	721.8	489.3	472.1
40°	1260.0	1143.7	547.7	456.9	474.0
42.5°	1291.8	966.5	442.9	461.9	487.4
45°	1326.1	773.9	401.6	463.2	477.2
47.5°	1355.3	571.2	393.3	446.1	456.2
50°	1361.1	430.2	377.4	418.7	425.1
52.5°	1317.9	339.9	352.0	382.5	394.0
55°	1221.3	284.7	313.9	341.2	341.2
57.5°	1075.8	241.5	263.7	289.7	287.2
60°	875.6	198.9	210.3	226.2	222.4
62.5°	688.8	159.5	163.3	180.5	183.0
65°	500.7	130.3	136.6	153.8	153.8
67.5°	351.4	111.2	123.3	139.2	140.4
70°	239.6	100.4	117.6	130.3	130.9
72.5°	163.3	92.8	111.8	118.8	116.9
75°	103.6	85.8	105.5	106.1	103.6
77.5°	67.4	78.2	99.1	94.0	92.1
80°	41.3	70.5	90.9	84.5	81.3
82.5°	23.5	62.9	84.5	80.1	76.9
85°	11.4	55.9	78.8	76.2	72.4
87.5°	4.4	49.6	72.4	68.6	64.8
90°	0.0	43.2	65.4	60.4	55.9
92.5°	0.0	38.1	58.5	52.1	48.3
95°	0.0	33.7	52.1	45.7	41.9
97.5°	0.0	29.9	46.4	40.7	36.2
100°	0.0	26.7	41.9	36.2	33.0
102.5°	0.0	23.5	37.5	33.7	31.8
105°	0.0	20.3	34.3	31.8	29.9
107.5°	0.0	17.8	31.1	30.5	29.2
110°	0.0	15.9	29.2	29.9	30.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.0	26.7	30.5	31.1
115°	0.6	12.1	24.8	29.9	29.2
117.5°	0.6	10.2	22.2	26.7	25.4
120°	0.6	8.9	20.3	24.1	22.2
122.5°	0.6	7.6	17.8	21.0	19.7
125°	0.6	6.4	15.9	19.1	17.2
127.5°	0.6	5.7	14.0	16.5	15.2
130°	0.6	5.1	12.1	14.6	13.3
132.5°	0.6	3.8	10.8	12.7	10.8
135°	0.6	3.2	8.9	10.8	8.9
137.5°	0.6	2.5	7.6	8.9	7.6
140°	0.6	1.9	6.4	7.6	6.4
142.5°	0.6	1.9	5.1	7.0	5.1
145°	0.6	1.3	4.4	5.7	4.4
147.5°	0.6	1.3	3.8	5.1	3.8
150°	0.6	1.3	3.2	4.4	2.5
152.5°	0.6	0.6	2.5	3.8	1.9
155°	0.6	0.6	1.9	2.5	1.3
157.5°	0.6	0.6	1.9	1.9	1.3
160°	0.6	0.6	1.9	1.9	0.6
162.5°	0.6	0.6	1.3	1.3	0.0
165°	0.6	1.3	1.3	1.3	0.0
167.5°	0.6	1.3	1.3	1.3	0.0
170°	0.6	1.3	1.3	1.3	0.0
172.5°	0.6	1.3	1.3	1.3	0.0
175°	1.3	1.3	1.3	1.3	0.0
177.5°	1.3	1.3	1.3	1.3	0.0
180°	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)