

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-L835-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-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

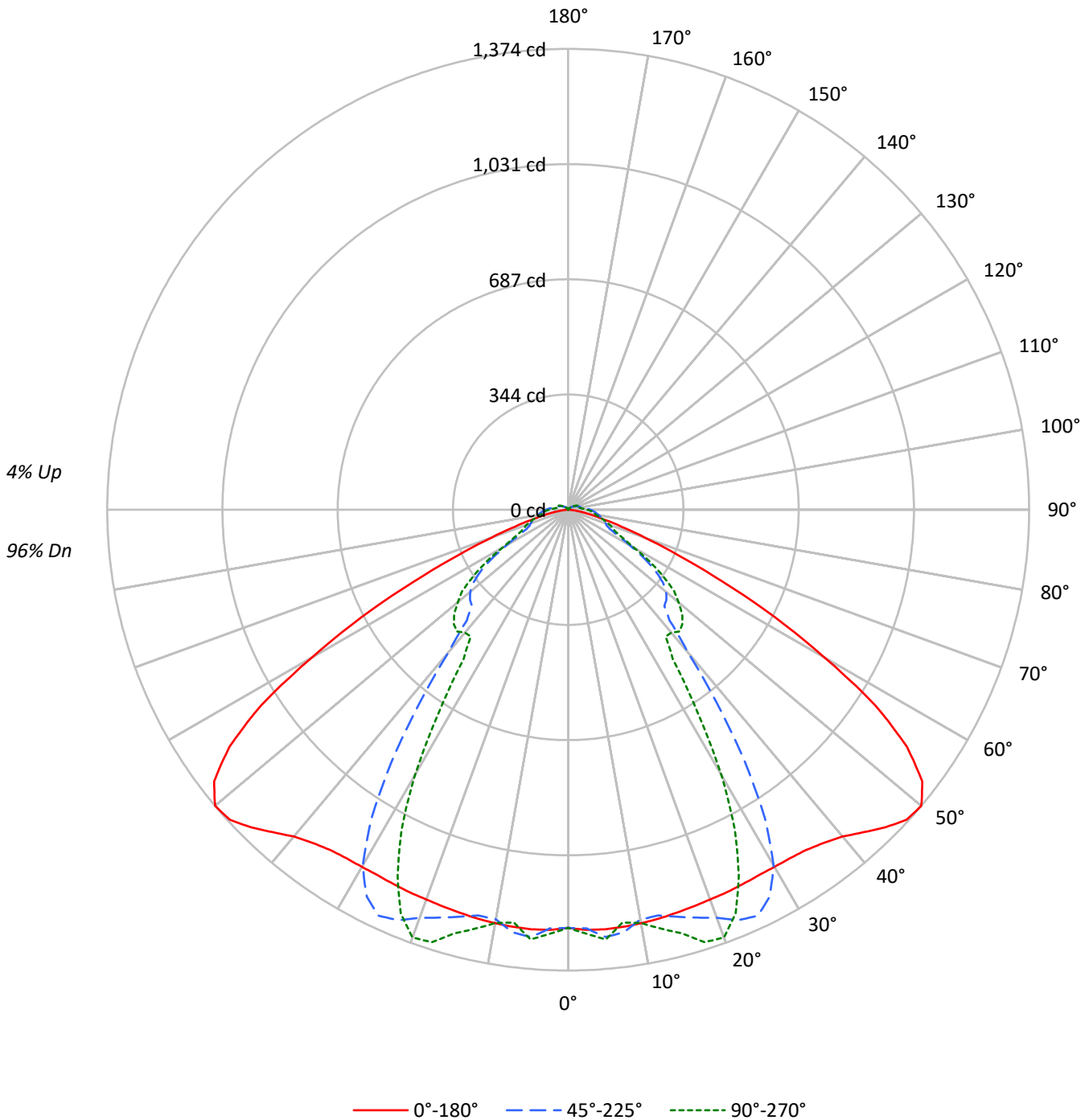
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3006.9 lumens
Efficiency: N/A
Efficacy: 148.9 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 (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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	54
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	48
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	43
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	35
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	32
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14642	14642	14642
5°	14744	14439	14323
10°	14810	13584	13351
15°	14945	13459	13482
20°	15201	13676	13648
25°	15625	14018	11892
30°	16244	12862	8949
35°	17198	9727	5315
40°	18780	5958	4704
45°	21263	4478	4800
50°	23809	4350	4368
55°	23698	3773	3612
60°	19241	2663	2447
65°	12795	1842	1775
70°	7380	1710	1602
75°	4053	1678	1359
80°	2242	1608	1161
85°	1020	1585	1143



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	4.0
10°-20°	361.5	12.0
20°-30°	575.3	19.1
30°-40°	586.4	19.5
40°-50°	495.2	16.5
50°-60°	381.7	12.7
60°-70°	197.2	6.6
70°-80°	109.0	3.6
80°-90°	69.3	2.3
90°-100°	42.7	1.4
100°-110°	27.5	0.9
110°-120°	19.9	0.7
120°-130°	11.5	0.4
130°-140°	5.6	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°	1057.4	35.2
0°-40°	1643.8	54.7
0°-60°	2520.7	83.8
0°-90°	2896.2	96.3
90°-120°	90.1	3.0
90°-150°	109.5	3.6
90°-180°	111.0	3.7
0°-180°	3006.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1256	1260	1279	1291	1286	120
15°	1244	1245	1256	1301	1307	353
25°	1232	1240	1336	1271	1203	570
35°	1238	1296	918	624	544	781
45°	1339	781	405	468	482	1034
55°	1233	287	317	344	344	1067
65°	505	132	138	155	155	521
75°	104	87	106	107	104	126
85°	12	56	80	77	73	16
90°	0	44	66	61	56	1
95°	0	34	53	46	42	0
105°	0	20	35	32	30	0
115°	1	12	25	30	30	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	3	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°	1246.9	1246.9	1246.9	1246.9	1246.9
2.5°	1253.9	1249.4	1249.4	1265.5	1265.5
5°	1255.8	1260.3	1278.9	1291.1	1286.0
7.5°	1254.6	1275.1	1270.6	1252.6	1241.1
10°	1252.0	1282.8	1240.4	1252.6	1251.3
12.5°	1248.8	1271.2	1239.2	1282.1	1279.6
15°	1244.3	1244.9	1256.5	1301.4	1307.1
17.5°	1240.4	1228.3	1275.1	1335.4	1352.0
20°	1236.6	1223.1	1295.0	1364.2	1357.2
22.5°	1234.7	1227.6	1324.5	1342.4	1303.3
25°	1231.5	1239.8	1336.0	1270.6	1203.2
27.5°	1228.9	1253.9	1300.7	1148.1	1076.2
30°	1229.5	1273.8	1224.4	1004.4	914.0
32.5°	1231.5	1293.0	1091.6	812.0	718.4
35°	1237.9	1296.2	917.8	624.1	543.9
37.5°	1252.0	1261.0	728.6	493.9	476.6
40°	1271.9	1154.5	552.9	461.2	478.5
42.5°	1303.9	975.6	447.0	466.3	491.9
45°	1338.6	781.2	405.4	467.6	481.7
47.5°	1368.1	576.6	397.0	450.3	460.5
50°	1373.9	434.2	381.0	422.7	429.1
52.5°	1330.2	343.1	355.3	386.1	397.7
55°	1232.7	287.3	316.8	344.4	344.4
57.5°	1085.9	243.7	266.2	292.5	289.9
60°	883.8	200.8	212.3	228.3	224.5
62.5°	695.3	161.0	164.8	182.2	184.7
65°	505.4	131.5	137.9	155.2	155.2
67.5°	354.7	112.2	124.4	140.5	141.7
70°	241.8	101.3	118.7	131.5	132.1
72.5°	164.8	93.6	112.9	119.9	118.0
75°	104.5	86.6	106.5	107.1	104.5
77.5°	68.0	78.9	100.1	94.9	93.0
80°	41.7	71.2	91.7	85.3	82.1
82.5°	23.7	63.5	85.3	80.8	77.6
85°	11.5	56.4	79.5	77.0	73.1
87.5°	4.5	50.0	73.1	69.3	65.4
90°	0.0	43.6	66.1	60.9	56.4
92.5°	0.0	38.5	59.0	52.6	48.7
95°	0.0	34.0	52.6	46.2	42.3
97.5°	0.0	30.1	46.8	41.0	36.6
100°	0.0	26.9	42.3	36.6	33.4
102.5°	0.0	23.7	37.8	34.0	32.1
105°	0.0	20.5	34.6	32.1	30.1
107.5°	0.0	18.0	31.4	30.8	29.5
110°	0.0	16.0	29.5	30.1	30.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.1	26.9	30.8	31.4
115°	0.6	12.2	25.0	30.1	29.5
117.5°	0.6	10.3	22.4	26.9	25.7
120°	0.6	9.0	20.5	24.4	22.4
122.5°	0.6	7.7	18.0	21.2	19.9
125°	0.6	6.4	16.0	19.2	17.3
127.5°	0.6	5.8	14.1	16.7	15.4
130°	0.6	5.1	12.2	14.8	13.5
132.5°	0.6	3.8	10.9	12.8	10.9
135°	0.6	3.2	9.0	10.9	9.0
137.5°	0.6	2.6	7.7	9.0	7.7
140°	0.6	1.9	6.4	7.7	6.4
142.5°	0.6	1.9	5.1	7.1	5.1
145°	0.6	1.3	4.5	5.8	4.5
147.5°	0.6	1.3	3.8	5.1	3.8
150°	0.6	1.3	3.2	4.5	2.6
152.5°	0.6	0.6	2.6	3.8	1.9
155°	0.6	0.6	1.9	2.6	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)