

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-L850-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-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

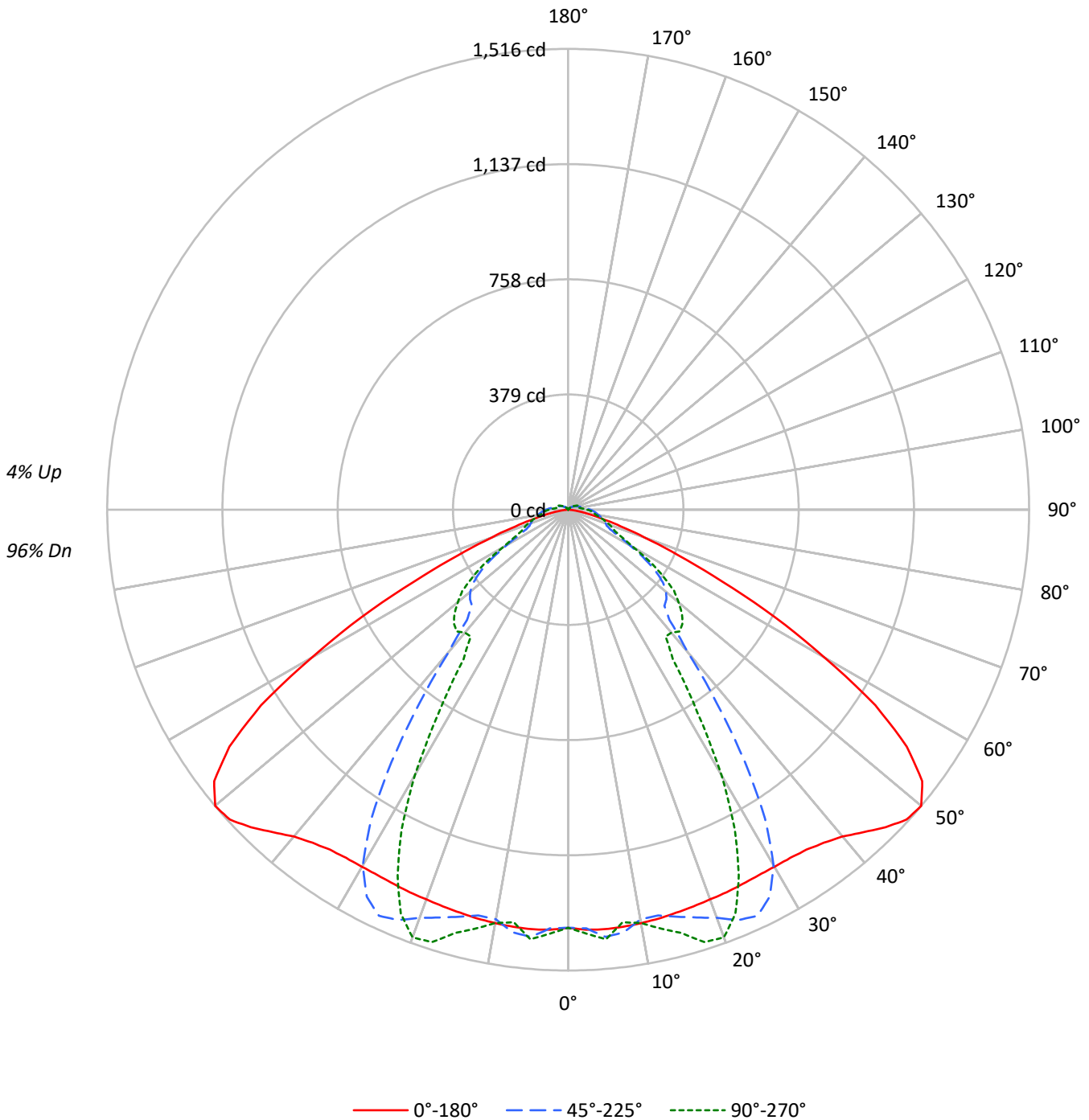
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3317.0 lumens
Efficiency: N/A
Efficacy: 164.2 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°	16151	16151	16151
5°	16264	15928	15800
10°	16337	14985	14728
15°	16485	14846	14872
20°	16768	15086	15055
25°	17235	15463	13119
30°	17920	14188	9871
35°	18970	10729	5864
40°	20716	6572	5188
45°	23455	4938	5294
50°	26262	4798	4818
55°	26141	4162	3984
60°	21224	2938	2699
65°	14114	2032	1958
70°	8140	1886	1767
75°	4472	1850	1500
80°	2473	1775	1281
85°	1126	1749	1261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	4.0
10°-20°	398.8	12.0
20°-30°	634.7	19.1
30°-40°	646.8	19.5
40°-50°	546.3	16.5
50°-60°	421.1	12.7
60°-70°	217.5	6.6
70°-80°	120.2	3.6
80°-90°	76.5	2.3
90°-100°	47.1	1.4
100°-110°	30.3	0.9
110°-120°	22.0	0.7
120°-130°	12.7	0.4
130°-140°	6.1	0.2
140°-150°	2.6	0.1
150°-160°	0.9	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1166.4	35.2
0°-40°	1813.2	54.7
0°-60°	2780.6	83.8
0°-90°	3194.8	96.3
90°-120°	99.4	3.0
90°-150°	120.9	3.6
90°-180°	122.0	3.7
0°-180°	3317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1375	1375	1375	1375	1375	
5°	1385	1390	1411	1424	1419	132
15°	1373	1373	1386	1436	1442	389
25°	1358	1368	1474	1402	1327	629
35°	1366	1430	1012	688	600	862
45°	1477	862	447	516	531	1140
55°	1360	317	350	380	380	1177
65°	558	145	152	171	171	575
75°	115	96	117	118	115	139
85°	13	62	88	85	81	18
90°	0	48	73	67	62	1
95°	0	38	58	51	47	0
105°	0	23	38	35	33	0
115°	1	13	28	33	32	0
125°	1	7	18	21	19	1
135°	1	4	10	12	10	1
145°	1	1	5	6	5	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°	1375.4	1375.4	1375.4	1375.4	1375.4
2.5°	1383.2	1378.2	1378.2	1395.9	1395.9
5°	1385.3	1390.3	1410.8	1424.2	1418.6
7.5°	1383.9	1406.5	1401.6	1381.8	1369.0
10°	1381.1	1415.0	1368.3	1381.8	1380.4
12.5°	1377.5	1402.3	1366.9	1414.3	1411.5
15°	1372.6	1373.3	1386.0	1435.5	1441.9
17.5°	1368.3	1354.9	1406.5	1473.0	1491.4
20°	1364.1	1349.2	1428.5	1504.9	1497.1
22.5°	1362.0	1354.2	1461.0	1480.8	1437.7
25°	1358.4	1367.6	1473.7	1401.6	1327.3
27.5°	1355.6	1383.2	1434.8	1266.4	1187.2
30°	1356.3	1405.1	1350.6	1108.0	1008.2
32.5°	1358.4	1426.3	1204.2	895.7	792.4
35°	1365.5	1429.9	1012.4	688.4	600.0
37.5°	1381.1	1391.0	803.7	544.8	525.7
40°	1403.0	1273.5	609.9	508.7	527.8
42.5°	1438.4	1076.1	493.1	514.4	542.7
45°	1476.6	861.7	447.1	515.8	531.3
47.5°	1509.1	636.1	437.9	496.7	508.0
50°	1515.5	479.0	420.3	466.2	473.3
52.5°	1467.4	378.5	392.0	425.9	438.7
55°	1359.8	317.0	349.5	379.9	379.9
57.5°	1197.8	268.9	293.6	322.6	319.8
60°	974.9	221.5	234.2	251.9	247.6
62.5°	766.9	177.6	181.8	200.9	203.8
65°	557.5	145.0	152.1	171.2	171.2
67.5°	391.3	123.8	137.3	154.9	156.4
70°	266.7	111.8	130.9	145.0	145.7
72.5°	181.8	103.3	124.5	132.3	130.2
75°	115.3	95.5	117.4	118.2	115.3
77.5°	75.0	87.0	110.4	104.7	102.6
80°	46.0	78.5	101.2	94.1	90.6
82.5°	26.2	70.0	94.1	89.1	85.6
85°	12.7	62.3	87.7	84.9	80.7
87.5°	5.0	55.2	80.7	76.4	72.2
90°	0.0	48.1	72.9	67.2	62.3
92.5°	0.0	42.5	65.1	58.0	53.8
95°	0.0	37.5	58.0	50.9	46.7
97.5°	0.0	33.3	51.6	45.3	40.3
100°	0.0	29.7	46.7	40.3	36.8
102.5°	0.0	26.2	41.7	37.5	35.4
105°	0.0	22.6	38.2	35.4	33.3
107.5°	0.0	19.8	34.7	34.0	32.5
110°	0.0	17.7	32.5	33.3	34.0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	15.6	29.7	34.0	34.7
115°	0.7	13.4	27.6	33.3	32.5
117.5°	0.7	11.3	24.8	29.7	28.3
120°	0.7	9.9	22.6	26.9	24.8
122.5°	0.7	8.5	19.8	23.3	21.9
125°	0.7	7.1	17.7	21.2	19.1
127.5°	0.7	6.4	15.6	18.4	17.0
130°	0.7	5.7	13.4	16.3	14.9
132.5°	0.7	4.2	12.0	14.2	12.0
135°	0.7	3.5	9.9	12.0	9.9
137.5°	0.7	2.8	8.5	9.9	8.5
140°	0.7	2.1	7.1	8.5	7.1
142.5°	0.7	2.1	5.7	7.8	5.7
145°	0.7	1.4	5.0	6.4	5.0
147.5°	0.7	1.4	4.2	5.7	4.2
150°	0.7	1.4	3.5	5.0	2.8
152.5°	0.7	0.7	2.8	4.2	2.1
155°	0.7	0.7	2.1	2.8	1.4
157.5°	0.7	0.7	2.1	2.1	1.4
160°	0.7	0.7	2.1	2.1	0.7
162.5°	0.7	0.7	1.4	1.4	0.0
165°	0.7	1.4	1.4	1.4	0.0
167.5°	0.7	1.4	1.4	1.4	0.0
170°	0.7	1.4	1.4	1.4	0.0
172.5°	0.7	1.4	1.4	1.4	0.0
175°	1.4	1.4	1.4	1.4	0.0
177.5°	1.4	1.4	1.4	1.4	0.0
180°	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)