

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-LD5-44SL-LW-UNV-L840-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 (P35653)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-44SL-LW-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

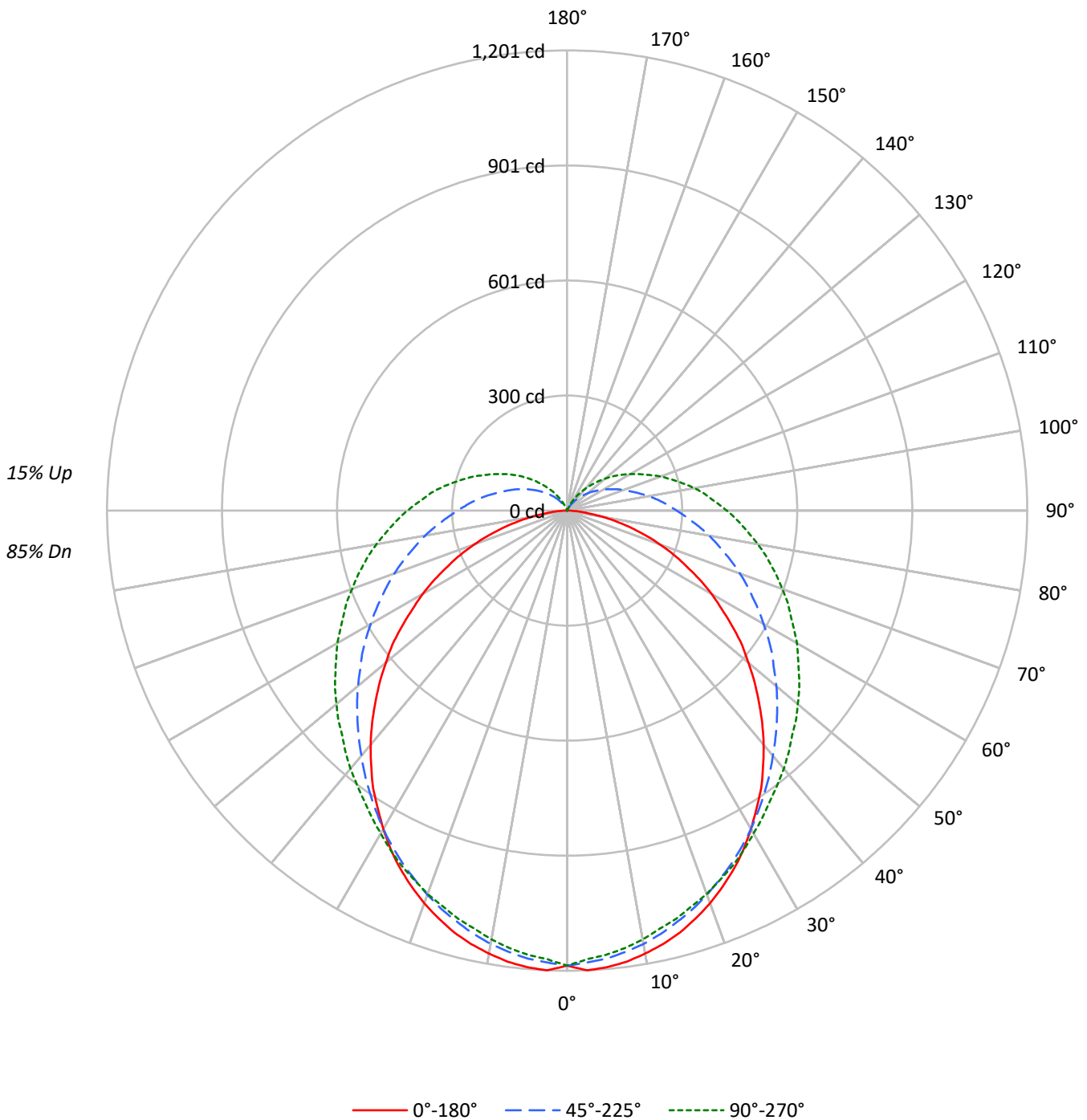
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4569.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 36.7
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	0
RCR																				
0	116	116	116	116	111	111	111	111	103	103	103		95	95	95		88	88	88	85
1	103	97	92	87	98	93	88	84	86	82	79		80	76	74		74	71	69	66
2	92	83	75	69	88	80	73	67	74	68	63		68	64	59		63	59	56	53
3	84	72	63	56	80	70	61	55	64	58	52		60	54	49		55	51	47	44
4	76	64	54	47	73	61	53	46	57	50	44		53	47	42		49	44	40	37
5	70	57	47	40	67	55	46	39	51	43	38		47	41	36		44	38	34	32
6	65	51	42	35	62	49	40	34	46	38	33		43	36	31		40	34	30	27
7	60	46	37	31	57	44	36	30	42	34	29		39	32	28		36	31	26	24
8	56	42	33	27	53	41	32	27	38	31	26		36	29	25		33	28	24	21
9	52	38	30	24	50	37	29	24	35	28	23		33	27	22		31	25	21	19
10	49	35	27	22	47	34	27	22	32	25	21		30	24	20		29	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13944	13944	13944
5°	14042	13253	12961
10°	13886	12576	12125
15°	13689	11899	11370
20°	13405	11265	10710
25°	13081	10657	10106
30°	12677	10079	9527
35°	12267	9520	9028
40°	11781	9001	8646
45°	11241	8550	8272
50°	10703	8138	8001
55°	10106	7780	7743
60°	9481	7426	7547
65°	8701	7136	7354
70°	7841	6911	7239
75°	6664	6701	7169
80°	5032	6594	7147
85°	2864	6547	7179



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	2.4
10°-20°	315.3	6.9
20°-30°	470.9	10.3
30°-40°	564.4	12.4
40°-50°	597.0	13.1
50°-60°	576.6	12.6
60°-70°	512.9	11.2
70°-80°	421.7	9.2
80°-90°	322.5	7.1
90°-100°	242.5	5.3
100°-110°	177.0	3.9
110°-120°	121.2	2.7
120°-130°	75.7	1.7
130°-140°	40.4	0.9
140°-150°	16.2	0.4
150°-160°	3.1	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	898.0	19.7
0°-40°	1462.3	32.0
0°-60°	2635.9	57.7
0°-90°	3893.0	85.2
90°-120°	540.7	11.8
90°-150°	672.9	14.7
90°-180°	676.0	14.8
0°-180°	4569.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1188	1188	1188	1188	1188	
5°	1196	1189	1174	1172	1164	113
15°	1140	1128	1111	1111	1102	321
25°	1031	1021	1016	1028	1022	474
35°	883	880	898	924	924	551
45°	708	728	774	818	830	547
55°	526	573	653	718	738	471
65°	344	422	534	618	643	341
75°	172	284	425	522	551	183
85°	32	175	328	427	459	39
90°	0	134	286	384	417	2
95°	0	104	250	345	374	0
105°	0	65	184	269	296	0
115°	0	39	131	202	223	0
125°	0	24	88	143	160	0
135°	0	12	54	90	100	0
145°	0	3	24	46	53	0
155°	0	0	3	12	12	0
165°	0	0	0	0	0	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°	1187.5	1187.5	1187.5	1187.5	1187.5
2.5°	1201.1	1194.3	1180.7	1179.0	1172.2
5°	1196.0	1189.2	1173.9	1172.2	1163.7
7.5°	1187.5	1179.0	1162.0	1160.3	1151.8
10°	1173.9	1165.4	1148.4	1146.7	1136.4
12.5°	1158.6	1150.1	1131.3	1129.6	1117.7
15°	1139.8	1127.9	1110.9	1110.9	1102.4
17.5°	1116.0	1105.8	1090.5	1092.2	1082.0
20°	1090.5	1080.3	1066.7	1071.8	1065.0
22.5°	1061.6	1049.7	1041.2	1048.0	1042.9
25°	1031.0	1020.8	1015.7	1027.6	1022.5
27.5°	996.9	986.7	988.4	1000.3	998.6
30°	959.5	952.7	959.5	974.8	973.1
32.5°	920.4	917.0	928.9	949.3	949.3
35°	883.0	879.6	898.3	923.8	923.8
37.5°	840.4	842.1	867.6	896.6	901.7
40°	797.9	804.7	835.3	871.0	879.6
42.5°	753.7	765.6	804.7	843.8	855.7
45°	707.7	728.1	774.1	818.3	830.2
47.5°	663.5	689.0	743.5	794.5	809.8
50°	617.6	648.2	712.8	769.0	786.0
52.5°	575.0	610.8	680.5	743.5	763.9
55°	525.7	573.3	653.3	717.9	738.3
57.5°	478.1	534.2	622.7	692.4	714.5
60°	435.5	495.1	592.0	668.6	692.4
62.5°	389.6	457.6	563.1	643.1	666.9
65°	343.7	421.9	534.2	617.6	643.1
67.5°	301.1	384.5	507.0	593.7	622.7
70°	256.9	350.5	479.8	569.9	597.1
72.5°	214.4	316.4	452.5	544.4	575.0
75°	171.8	284.1	425.3	522.3	551.2
77.5°	131.0	253.5	399.8	498.5	529.1
80°	93.6	224.6	376.0	474.7	505.3
82.5°	59.5	197.3	352.2	450.8	481.5
85°	32.3	175.2	328.3	427.0	459.3
87.5°	11.9	151.4	306.2	406.6	438.9
90°	0.0	134.4	285.8	384.5	416.8
92.5°	0.0	117.4	267.1	364.1	394.7
95°	0.0	103.8	250.1	345.4	374.3
97.5°	0.0	91.9	233.1	326.6	357.3
100°	0.0	81.7	216.1	306.2	336.8
102.5°	0.0	71.5	199.0	287.5	316.4
105°	0.0	64.6	183.7	268.8	296.0
107.5°	0.0	57.8	170.1	253.5	277.3
110°	0.0	51.0	156.5	234.8	260.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.9	144.6	219.5	239.9
115°	0.0	39.1	131.0	202.5	222.9
117.5°	0.0	35.7	120.8	187.1	205.9
120°	0.0	30.6	108.9	171.8	190.5
122.5°	0.0	27.2	98.7	156.5	175.2
125°	0.0	23.8	88.5	142.9	159.9
127.5°	0.0	20.4	80.0	129.3	144.6
130°	0.0	17.0	69.8	115.7	129.3
132.5°	0.0	13.6	61.2	102.1	115.7
135°	0.0	11.9	54.4	90.2	100.4
137.5°	0.0	8.5	45.9	78.3	88.5
140°	0.0	6.8	39.1	68.1	74.9
142.5°	0.0	5.1	30.6	56.1	64.6
145°	0.0	3.4	23.8	45.9	52.7
147.5°	0.0	1.7	17.0	37.4	40.8
150°	0.0	1.7	11.9	28.9	30.6
152.5°	0.0	0.0	8.5	20.4	20.4
155°	0.0	0.0	3.4	11.9	11.9
157.5°	1.7	0.0	1.7	5.1	5.1
160°	1.7	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
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)