

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-LD5-34SL-LW-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 (P35653)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-34SL-LW-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

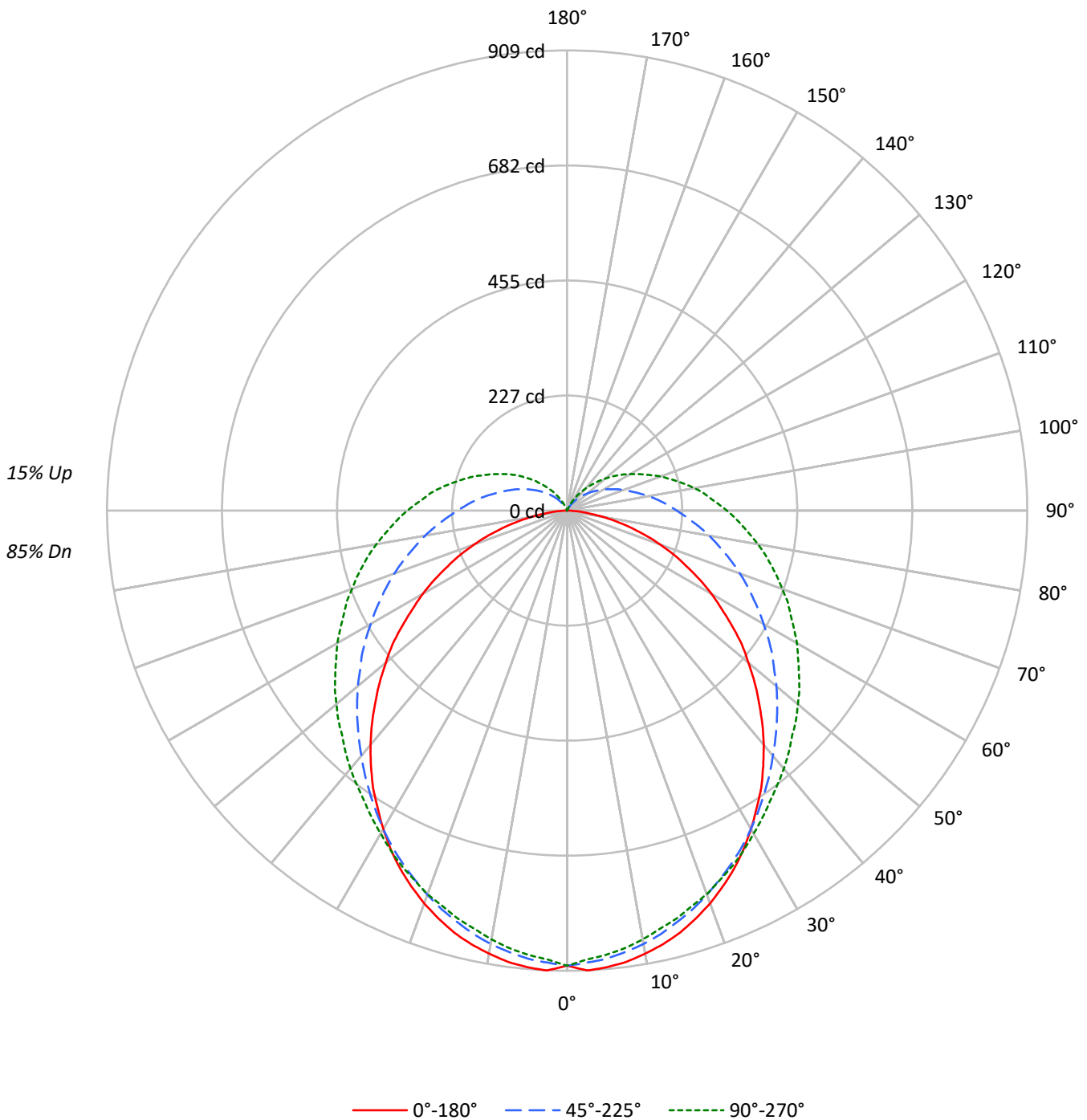
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3459.0 lumens
Efficiency: N/A
Efficacy: 129.1 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): 26.8
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										
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	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°	10556	10556	10556
5°	10630	10033	9812
10°	10512	9521	9180
15°	10364	9008	8608
20°	10149	8528	8108
25°	9903	8068	7651
30°	9597	7631	7213
35°	9286	7207	6835
40°	8920	6814	6546
45°	8511	6472	6262
50°	8101	6162	6057
55°	7651	5890	5862
60°	7178	5622	5713
65°	6588	5402	5567
70°	5936	5232	5481
75°	5046	5074	5428
80°	3806	4991	5410
85°	2172	4958	5434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	2.4
10°-20°	238.7	6.9
20°-30°	356.5	10.3
30°-40°	427.3	12.4
40°-50°	452.0	13.1
50°-60°	436.5	12.6
60°-70°	388.3	11.2
70°-80°	319.2	9.2
80°-90°	244.1	7.1
90°-100°	183.6	5.3
100°-110°	134.0	3.9
110°-120°	91.8	2.7
120°-130°	57.3	1.7
130°-140°	30.6	0.9
140°-150°	12.3	0.4
150°-160°	2.3	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	679.8	19.7
0°-40°	1107.1	32.0
0°-60°	1995.5	57.7
0°-90°	2947.2	85.2
90°-120°	409.4	11.8
90°-150°	509.5	14.7
90°-180°	512.0	14.8
0°-180°	3459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	899	899	899	899	899	
5°	905	900	889	887	881	86
15°	863	854	841	841	835	243
25°	780	773	769	778	774	359
35°	668	666	680	699	699	417
45°	536	551	586	620	628	414
55°	398	434	495	544	559	356
65°	260	319	404	468	487	259
75°	130	215	322	395	417	138
85°	24	133	249	323	348	30
90°	0	102	216	291	316	1
95°	0	79	189	262	283	0
105°	0	49	139	204	224	0
115°	0	30	99	153	169	0
125°	0	18	67	108	121	0
135°	0	9	41	68	76	0
145°	0	3	18	35	40	0
155°	0	0	3	9	9	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°	899.0	899.0	899.0	899.0	899.0
2.5°	909.3	904.1	893.8	892.6	887.4
5°	905.4	900.3	888.7	887.4	881.0
7.5°	899.0	892.6	879.7	878.4	871.9
10°	888.7	882.2	869.4	868.1	860.4
12.5°	877.1	870.7	856.5	855.2	846.2
15°	862.9	853.9	841.0	841.0	834.6
17.5°	844.9	837.2	825.6	826.9	819.1
20°	825.6	817.9	807.5	811.4	806.3
22.5°	803.7	794.7	788.2	793.4	789.5
25°	780.5	772.8	768.9	777.9	774.1
27.5°	754.7	747.0	748.3	757.3	756.0
30°	726.4	721.3	726.4	738.0	736.7
32.5°	696.8	694.2	703.2	718.7	718.7
35°	668.4	665.9	680.0	699.4	699.4
37.5°	636.2	637.5	656.9	678.8	682.6
40°	604.1	609.2	632.4	659.4	665.9
42.5°	570.6	579.6	609.2	638.8	647.8
45°	535.8	551.2	586.0	619.5	628.5
47.5°	502.3	521.6	562.8	601.5	613.1
50°	467.5	490.7	539.7	582.2	595.0
52.5°	435.3	462.4	515.2	562.8	578.3
55°	398.0	434.0	494.6	543.5	559.0
57.5°	361.9	404.4	471.4	524.2	540.9
60°	329.7	374.8	448.2	506.2	524.2
62.5°	294.9	346.5	426.3	486.8	504.9
65°	260.2	319.4	404.4	467.5	486.8
67.5°	228.0	291.1	383.8	449.5	471.4
70°	194.5	265.3	363.2	431.5	452.1
72.5°	162.3	239.6	342.6	412.1	435.3
75°	130.1	215.1	322.0	395.4	417.3
77.5°	99.2	191.9	302.7	377.4	400.6
80°	70.8	170.0	284.6	359.3	382.5
82.5°	45.1	149.4	266.6	341.3	364.5
85°	24.5	132.7	248.6	323.3	347.7
87.5°	9.0	114.6	231.8	307.8	332.3
90°	0.0	101.7	216.4	291.1	315.5
92.5°	0.0	88.9	202.2	275.6	298.8
95°	0.0	78.6	189.3	261.5	283.3
97.5°	0.0	69.5	176.4	247.3	270.5
100°	0.0	61.8	163.6	231.8	255.0
102.5°	0.0	54.1	150.7	217.7	239.6
105°	0.0	48.9	139.1	203.5	224.1
107.5°	0.0	43.8	128.8	191.9	209.9
110°	0.0	38.6	118.5	177.7	197.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.8	109.5	166.1	181.6
115°	0.0	29.6	99.2	153.3	168.7
117.5°	0.0	27.0	91.4	141.7	155.8
120°	0.0	23.2	82.4	130.1	144.3
122.5°	0.0	20.6	74.7	118.5	132.7
125°	0.0	18.0	67.0	108.2	121.1
127.5°	0.0	15.5	60.5	97.9	109.5
130°	0.0	12.9	52.8	87.6	97.9
132.5°	0.0	10.3	46.4	77.3	87.6
135°	0.0	9.0	41.2	68.3	76.0
137.5°	0.0	6.4	34.8	59.2	67.0
140°	0.0	5.2	29.6	51.5	56.7
142.5°	0.0	3.9	23.2	42.5	48.9
145°	0.0	2.6	18.0	34.8	39.9
147.5°	0.0	1.3	12.9	28.3	30.9
150°	0.0	1.3	9.0	21.9	23.2
152.5°	0.0	0.0	6.4	15.5	15.5
155°	0.0	0.0	2.6	9.0	9.0
157.5°	1.3	0.0	1.3	3.9	3.9
160°	1.3	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)