

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-LD5-47SL-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-LD5-47SL-LW-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

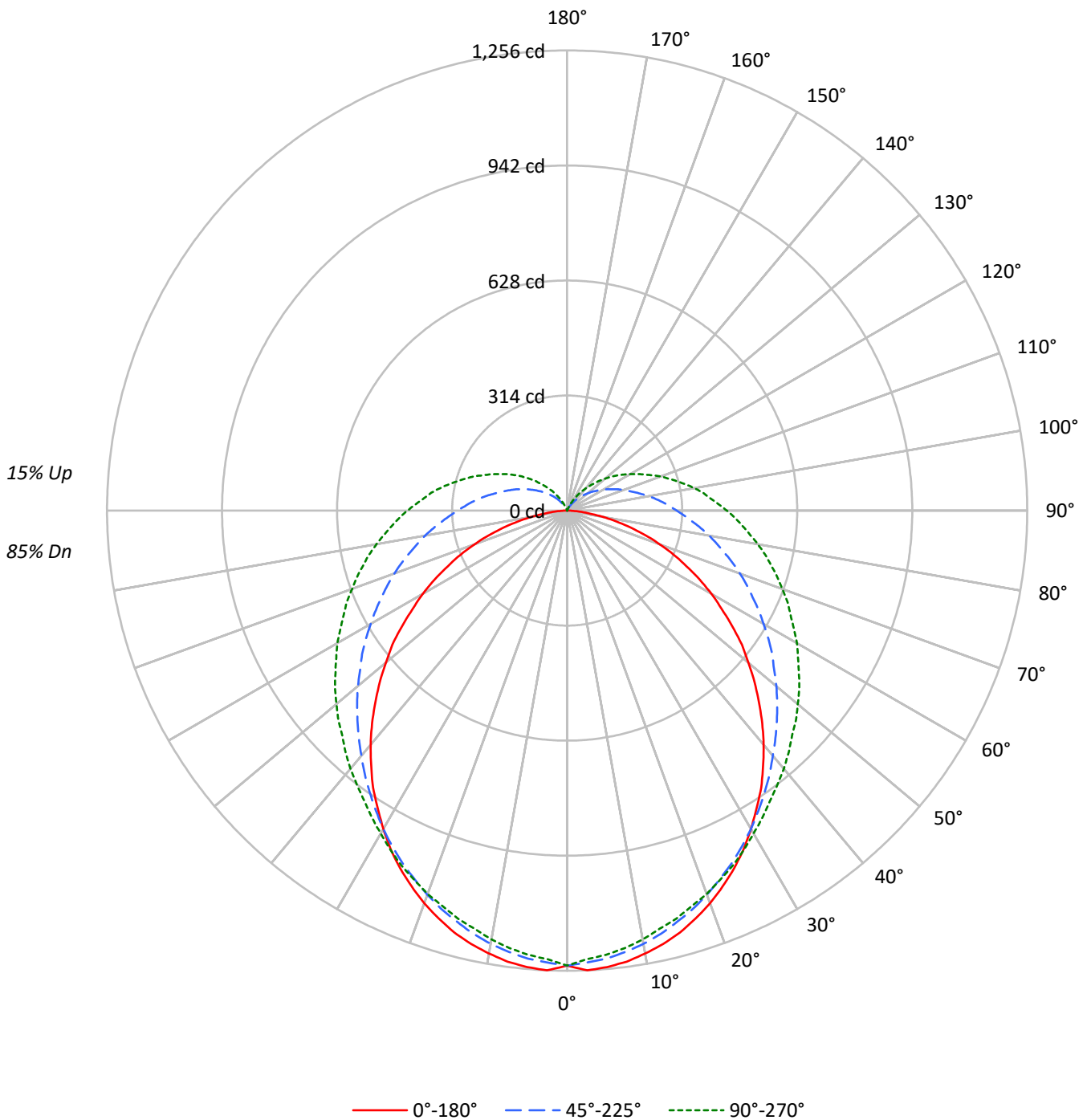
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4778.0 lumens
Efficiency: N/A
Efficacy: 119.7 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): 39.9
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	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°	14582	14582	14582
5°	14684	13859	13553
10°	14521	13151	12679
15°	14316	12443	11890
20°	14019	11780	11199
25°	13678	11144	10568
30°	13257	10541	9963
35°	12827	9956	9441
40°	12320	9412	9041
45°	11756	8941	8650
50°	11191	8510	8367
55°	10568	8136	8097
60°	9914	7766	7892
65°	9099	7462	7690
70°	8198	7227	7572
75°	6970	7009	7497
80°	5258	6896	7474
85°	2997	6848	7508



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	2.4
10°-20°	329.8	6.9
20°-30°	492.5	10.3
30°-40°	590.2	12.4
40°-50°	624.3	13.1
50°-60°	602.9	12.6
60°-70°	536.3	11.2
70°-80°	441.0	9.2
80°-90°	337.2	7.1
90°-100°	253.6	5.3
100°-110°	185.1	3.9
110°-120°	126.8	2.7
120°-130°	79.1	1.7
130°-140°	42.2	0.9
140°-150°	16.9	0.4
150°-160°	3.2	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	939.0	19.7
0°-40°	1529.2	32.0
0°-60°	2756.5	57.7
0°-90°	4071.0	85.2
90°-120°	565.5	11.8
90°-150°	703.7	14.7
90°-180°	707.0	14.8
0°-180°	4778.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1242	1242	1242	1242	1242	
5°	1251	1244	1228	1226	1217	119
15°	1192	1180	1162	1162	1153	336
25°	1078	1067	1062	1075	1069	496
35°	923	920	939	966	966	576
45°	740	761	810	856	868	572
55°	550	600	683	751	772	492
65°	359	441	559	646	672	357
75°	180	297	445	546	576	191
85°	34	183	343	446	480	41
90°	0	140	299	402	436	2
95°	0	108	262	361	391	0
105°	0	68	192	281	310	0
115°	0	41	137	212	233	0
125°	0	25	92	149	167	0
135°	0	12	57	94	105	0
145°	0	4	25	48	55	0
155°	0	0	4	12	12	1
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°	1241.8	1241.8	1241.8	1241.8	1241.8
2.5°	1256.0	1248.9	1234.7	1232.9	1225.8
5°	1250.7	1243.6	1227.6	1225.8	1216.9
7.5°	1241.8	1232.9	1215.1	1213.3	1204.4
10°	1227.6	1218.7	1200.9	1199.1	1188.4
12.5°	1211.6	1202.7	1183.1	1181.3	1168.9
15°	1192.0	1179.5	1161.7	1161.7	1152.8
17.5°	1167.1	1156.4	1140.4	1142.2	1131.5
20°	1140.4	1129.7	1115.5	1120.8	1113.7
22.5°	1110.1	1097.7	1088.8	1095.9	1090.6
25°	1078.1	1067.4	1062.1	1074.6	1069.2
27.5°	1042.5	1031.9	1033.6	1046.1	1044.3
30°	1003.4	996.3	1003.4	1019.4	1017.6
32.5°	962.5	958.9	971.4	992.7	992.7
35°	923.3	919.8	939.4	966.0	966.0
37.5°	878.9	880.6	907.3	937.6	942.9
40°	834.4	841.5	873.5	910.9	919.8
42.5°	788.1	800.6	841.5	882.4	894.9
45°	740.1	761.4	809.5	855.7	868.2
47.5°	693.8	720.5	777.5	830.8	846.8
50°	645.8	677.8	745.4	804.1	821.9
52.5°	601.3	638.7	711.6	777.5	798.8
55°	549.7	599.6	683.2	750.8	772.1
57.5°	499.9	558.6	651.1	724.1	747.2
60°	455.4	517.7	619.1	699.2	724.1
62.5°	407.4	478.6	588.9	672.5	697.4
65°	359.4	441.2	558.6	645.8	672.5
67.5°	314.9	402.1	530.2	620.9	651.1
70°	268.6	366.5	501.7	596.0	624.5
72.5°	224.2	330.9	473.2	569.3	601.3
75°	179.7	297.1	444.8	546.2	576.4
77.5°	137.0	265.1	418.1	521.3	553.3
80°	97.8	234.8	393.2	496.4	528.4
82.5°	62.3	206.4	368.3	471.5	503.5
85°	33.8	183.2	343.4	446.5	480.4
87.5°	12.5	158.3	320.2	425.2	459.0
90°	0.0	140.5	298.9	402.1	435.9
92.5°	0.0	122.8	279.3	380.7	412.7
95°	0.0	108.5	261.5	361.2	391.4
97.5°	0.0	96.1	243.7	341.6	373.6
100°	0.0	85.4	225.9	320.2	352.3
102.5°	0.0	74.7	208.2	300.7	330.9
105°	0.0	67.6	192.1	281.1	309.6
107.5°	0.0	60.5	177.9	265.1	290.0
110°	0.0	53.4	163.7	245.5	272.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	48.0	151.2	229.5	250.9
115°	0.0	40.9	137.0	211.7	233.1
117.5°	0.0	37.4	126.3	195.7	215.3
120°	0.0	32.0	113.9	179.7	199.3
122.5°	0.0	28.5	103.2	163.7	183.2
125°	0.0	24.9	92.5	149.4	167.2
127.5°	0.0	21.3	83.6	135.2	151.2
130°	0.0	17.8	72.9	121.0	135.2
132.5°	0.0	14.2	64.0	106.7	121.0
135°	0.0	12.5	56.9	94.3	105.0
137.5°	0.0	8.9	48.0	81.8	92.5
140°	0.0	7.1	40.9	71.2	78.3
142.5°	0.0	5.3	32.0	58.7	67.6
145°	0.0	3.6	24.9	48.0	55.2
147.5°	0.0	1.8	17.8	39.1	42.7
150°	0.0	1.8	12.5	30.2	32.0
152.5°	0.0	0.0	8.9	21.3	21.3
155°	0.0	0.0	3.6	12.5	12.5
157.5°	1.8	0.0	1.8	5.3	5.3
160°	1.8	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)