

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-LD5-54SL-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-LD5-54SL-LW-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

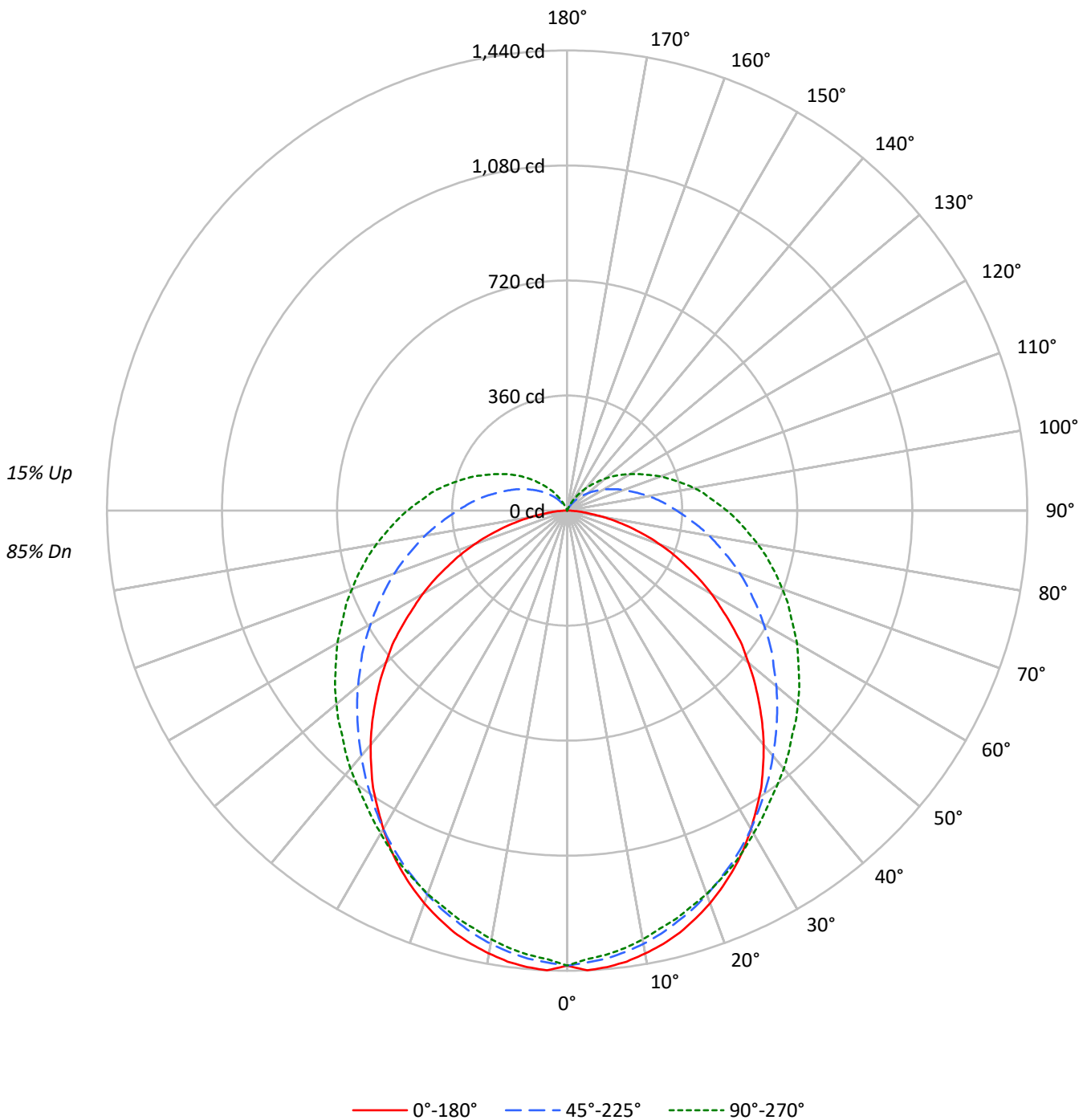
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5478.0 lumens
Efficiency: N/A
Efficacy: 116.6 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): 47
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°	16718	16718	16718
5°	16835	15889	15539
10°	16648	15078	14537
15°	16413	14267	13632
20°	16073	13506	12840
25°	15683	12777	12116
30°	15199	12085	11423
35°	14707	11414	10824
40°	14125	10792	10366
45°	13478	10251	9918
50°	12831	9757	9594
55°	12117	9328	9283
60°	11369	8904	9049
65°	10431	8556	8817
70°	9400	8285	8680
75°	7991	8035	8596
80°	6032	7906	8569
85°	3440	7852	8607



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.9	2.4
10°-20°	378.1	6.9
20°-30°	564.6	10.3
30°-40°	676.7	12.4
40°-50°	715.8	13.1
50°-60°	691.3	12.6
60°-70°	614.9	11.2
70°-80°	505.6	9.2
80°-90°	386.6	7.1
90°-100°	290.7	5.3
100°-110°	212.2	3.9
110°-120°	145.4	2.7
120°-130°	90.7	1.7
130°-140°	48.4	0.9
140°-150°	19.4	0.4
150°-160°	3.7	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1076.6	19.7
0°-40°	1753.3	32.0
0°-60°	3160.4	57.7
0°-90°	4667.5	85.2
90°-120°	648.3	11.8
90°-150°	806.8	14.7
90°-180°	811.0	14.8
0°-180°	5478.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1424	1424	1424	1424	1424	
5°	1434	1426	1407	1405	1395	136
15°	1367	1352	1332	1332	1322	385
25°	1236	1224	1218	1232	1226	569
35°	1059	1054	1077	1108	1108	661
45°	848	873	928	981	995	655
55°	630	687	783	861	885	564
65°	412	506	640	740	771	409
75°	206	341	510	626	661	219
85°	39	210	394	512	551	47
90°	0	161	343	461	500	2
95°	0	124	300	414	449	0
105°	0	78	220	322	355	0
115°	0	47	157	243	267	0
125°	0	29	106	171	192	0
135°	0	14	65	108	120	0
145°	0	4	29	55	63	0
155°	0	0	4	14	14	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°	1423.7	1423.7	1423.7	1423.7	1423.7
2.5°	1440.0	1431.9	1415.6	1413.5	1405.4
5°	1433.9	1425.8	1407.4	1405.4	1395.2
7.5°	1423.7	1413.5	1393.1	1391.1	1380.9
10°	1407.4	1397.2	1376.8	1374.8	1362.5
12.5°	1389.1	1378.9	1356.4	1354.4	1340.1
15°	1366.6	1352.3	1331.9	1331.9	1321.7
17.5°	1338.1	1325.8	1307.5	1309.5	1297.3
20°	1307.5	1295.2	1278.9	1285.0	1276.9
22.5°	1272.8	1258.5	1248.3	1256.5	1250.4
25°	1236.1	1223.8	1217.7	1232.0	1225.9
27.5°	1195.3	1183.0	1185.1	1199.4	1197.3
30°	1150.4	1142.2	1150.4	1168.8	1166.7
32.5°	1103.5	1099.4	1113.7	1138.2	1138.2
35°	1058.6	1054.5	1077.0	1107.6	1107.6
37.5°	1007.6	1009.7	1040.3	1074.9	1081.1
40°	956.6	964.8	1001.5	1044.3	1054.5
42.5°	903.6	917.9	964.8	1011.7	1026.0
45°	848.5	873.0	928.1	981.1	995.4
47.5°	795.5	826.1	891.4	952.6	970.9
50°	740.4	777.1	854.6	922.0	942.4
52.5°	689.4	732.3	815.9	891.4	915.8
55°	630.3	687.4	783.3	860.8	885.2
57.5°	573.2	640.5	746.5	830.2	856.7
60°	522.2	593.6	709.8	801.6	830.2
62.5°	467.1	548.7	675.1	771.0	799.6
65°	412.0	505.9	640.5	740.4	771.0
67.5°	361.0	461.0	607.8	711.9	746.5
70°	308.0	420.2	575.2	683.3	715.9
72.5°	257.0	379.4	542.6	652.7	689.4
75°	206.0	340.6	509.9	626.2	660.9
77.5°	157.1	303.9	479.3	597.6	634.4
80°	112.2	269.2	450.8	569.1	605.8
82.5°	71.4	236.6	422.2	540.5	577.2
85°	38.8	210.1	393.7	512.0	550.7
87.5°	14.3	181.5	367.2	487.5	526.2
90°	0.0	161.1	342.7	461.0	499.7
92.5°	0.0	140.7	320.2	436.5	473.2
95°	0.0	124.4	299.8	414.1	448.7
97.5°	0.0	110.1	279.4	391.6	428.3
100°	0.0	97.9	259.0	367.2	403.9
102.5°	0.0	85.7	238.6	344.7	379.4
105°	0.0	77.5	220.3	322.3	354.9
107.5°	0.0	69.4	204.0	303.9	332.5
110°	0.0	61.2	187.7	281.5	312.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	55.1	173.4	263.1	287.6
115°	0.0	46.9	157.1	242.7	267.2
117.5°	0.0	42.8	144.8	224.4	246.8
120°	0.0	36.7	130.5	206.0	228.4
122.5°	0.0	32.6	118.3	187.7	210.1
125°	0.0	28.6	106.1	171.3	191.7
127.5°	0.0	24.5	95.9	155.0	173.4
130°	0.0	20.4	83.6	138.7	155.0
132.5°	0.0	16.3	73.4	122.4	138.7
135°	0.0	14.3	65.3	108.1	120.3
137.5°	0.0	10.2	55.1	93.8	106.1
140°	0.0	8.2	46.9	81.6	89.7
142.5°	0.0	6.1	36.7	67.3	77.5
145°	0.0	4.1	28.6	55.1	63.2
147.5°	0.0	2.0	20.4	44.9	49.0
150°	0.0	2.0	14.3	34.7	36.7
152.5°	0.0	0.0	10.2	24.5	24.5
155°	0.0	0.0	4.1	14.3	14.3
157.5°	2.0	0.0	2.0	6.1	6.1
160°	2.0	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)