

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: **8SRL-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: 8SRL-LD5-54SL-LW-UNV-L835-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

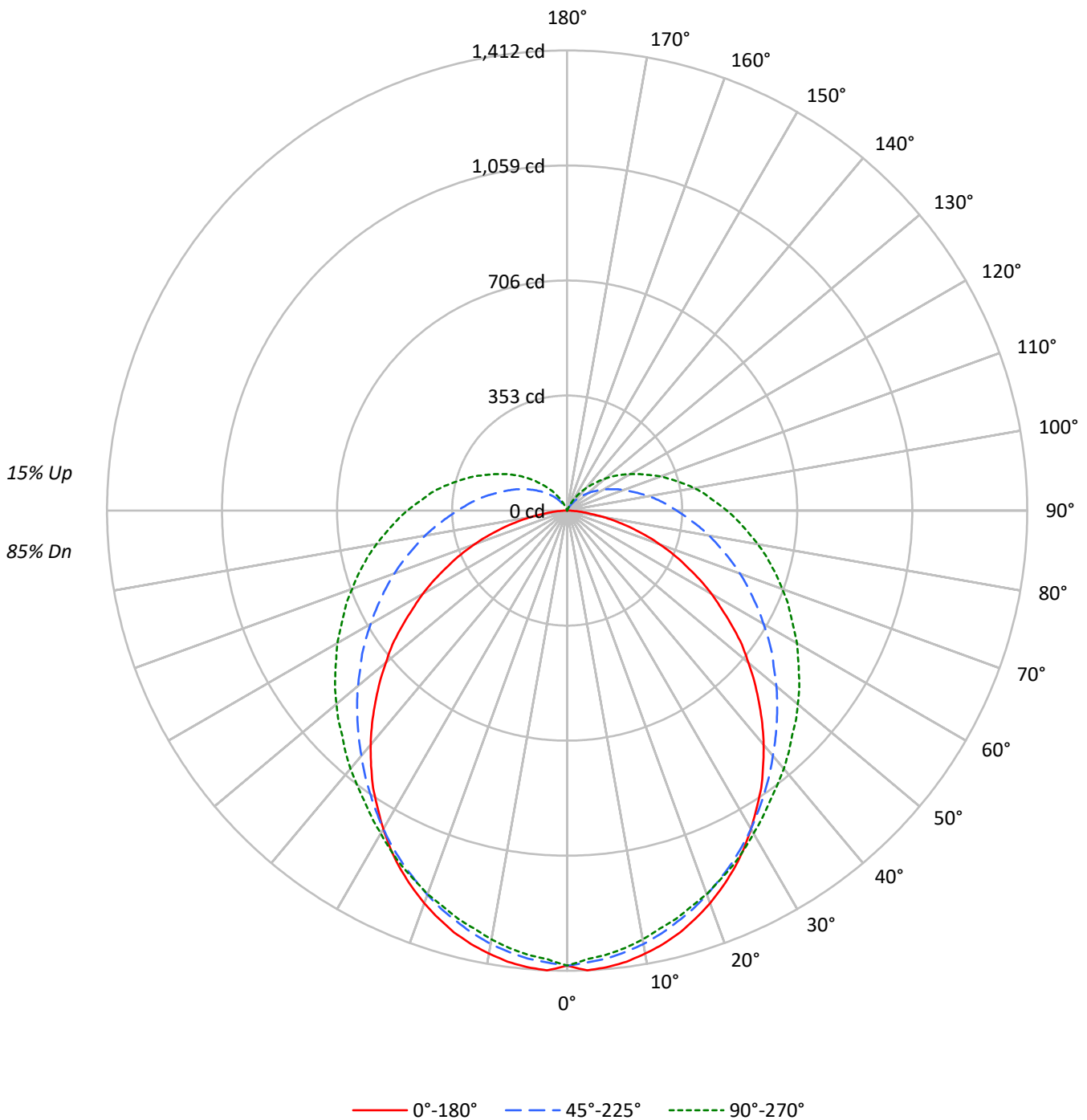
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5371.9 lumens  
Efficiency: N/A  
Efficacy: 133.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 40.3  
Input Voltage (V): NR  
Input Current (Ain): 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	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°	8197	8197	8197
5°	8271	7802	7619
10°	8196	7412	7128
15°	8097	7022	6685
20°	7945	6655	6296
25°	7770	6303	5941
30°	7549	5968	5601
35°	7324	5643	5307
40°	7055	5342	5082
45°	6756	5080	4863
50°	6457	4842	4704
55°	6128	4635	4552
60°	5786	4432	4437
65°	5353	4266	4323
70°	4880	4139	4256
75°	4224	4024	4215
80°	3295	3971	4202
85°	2032	3957	4221



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.3	2.4
10°-20°	370.8	6.9
20°-30°	553.7	10.3
30°-40°	663.6	12.4
40°-50°	701.9	13.1
50°-60°	677.9	12.6
60°-70°	603.0	11.2
70°-80°	495.8	9.2
80°-90°	379.2	7.1
90°-100°	285.1	5.3
100°-110°	208.1	3.9
110°-120°	142.5	2.7
120°-130°	88.9	1.7
130°-140°	47.5	0.9
140°-150°	19.0	0.4
150°-160°	3.6	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1055.8	19.7
0°-40°	1719.3	32.0
0°-60°	3099.2	57.7
0°-90°	4577.1	85.2
90°-120°	635.7	11.8
90°-150°	791.2	14.7
90°-180°	795.0	14.8
0°-180°	5371.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1396	1396	1396	1396	1396	
5°	1406	1398	1380	1378	1368	133
15°	1340	1326	1306	1306	1296	377
25°	1212	1200	1194	1208	1202	558
35°	1038	1034	1056	1086	1086	648
45°	832	856	910	962	976	643
55°	618	674	768	844	868	553
65°	404	496	628	726	756	401
75°	202	334	500	614	648	215
85°	38	206	386	502	540	46
90°	0	158	336	452	490	2
95°	0	122	294	406	440	0
105°	0	76	216	316	348	0
115°	0	46	154	238	262	0
125°	0	28	104	168	188	0
135°	0	14	64	106	118	0
145°	0	4	28	54	62	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



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-54SL-LW-UNV-L835-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1396.2	1396.2	1396.2	1396.2	1396.2
2.5°	1412.2	1404.2	1388.2	1386.2	1378.2
5°	1406.2	1398.2	1380.2	1378.2	1368.2
7.5°	1396.2	1386.2	1366.2	1364.2	1354.2
10°	1380.2	1370.2	1350.2	1348.2	1336.2
12.5°	1362.2	1352.2	1330.2	1328.2	1314.2
15°	1340.2	1326.2	1306.2	1306.2	1296.2
17.5°	1312.2	1300.2	1282.2	1284.2	1272.2
20°	1282.2	1270.2	1254.2	1260.2	1252.2
22.5°	1248.2	1234.2	1224.2	1232.2	1226.2
25°	1212.2	1200.2	1194.2	1208.2	1202.2
27.5°	1172.2	1160.1	1162.1	1176.2	1174.2
30°	1128.1	1120.1	1128.1	1146.1	1144.1
32.5°	1082.1	1078.1	1092.1	1116.1	1116.1
35°	1038.1	1034.1	1056.1	1086.1	1086.1
37.5°	988.1	990.1	1020.1	1054.1	1060.1
40°	938.1	946.1	982.1	1024.1	1034.1
42.5°	886.1	900.1	946.1	992.1	1006.1
45°	832.1	856.1	910.1	962.1	976.1
47.5°	780.1	810.1	874.1	934.1	952.1
50°	726.1	762.1	838.1	904.1	924.1
52.5°	676.1	718.1	800.1	874.1	898.1
55°	618.1	674.1	768.1	844.1	868.1
57.5°	562.1	628.1	732.1	814.1	840.1
60°	512.1	582.1	696.1	786.1	814.1
62.5°	458.1	538.1	662.1	756.1	784.1
65°	404.1	496.1	628.1	726.1	756.1
67.5°	354.0	452.1	596.1	698.1	732.1
70°	302.0	412.1	564.1	670.1	702.1
72.5°	252.0	372.0	532.1	640.1	676.1
75°	202.0	334.0	500.1	614.1	648.1
77.5°	154.0	298.0	470.1	586.1	622.1
80°	110.0	264.0	442.1	558.1	594.1
82.5°	70.0	232.0	414.1	530.1	566.1
85°	38.0	206.0	386.0	502.1	540.1
87.5°	14.0	178.0	360.0	478.1	516.1
90°	0.0	158.0	336.0	452.1	490.1
92.5°	0.0	138.0	314.0	428.1	464.1
95°	0.0	122.0	294.0	406.1	440.1
97.5°	0.0	108.0	274.0	384.0	420.1
100°	0.0	96.0	254.0	360.0	396.1
102.5°	0.0	84.0	234.0	338.0	372.0
105°	0.0	76.0	216.0	316.0	348.0
107.5°	0.0	68.0	200.0	298.0	326.0
110°	0.0	60.0	184.0	276.0	306.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	54.0	170.0	258.0	282.0
115°	0.0	46.0	154.0	238.0	262.0
117.5°	0.0	42.0	142.0	220.0	242.0
120°	0.0	36.0	128.0	202.0	224.0
122.5°	0.0	32.0	116.0	184.0	206.0
125°	0.0	28.0	104.0	168.0	188.0
127.5°	0.0	24.0	94.0	152.0	170.0
130°	0.0	20.0	82.0	136.0	152.0
132.5°	0.0	16.0	72.0	120.0	136.0
135°	0.0	14.0	64.0	106.0	118.0
137.5°	0.0	10.0	54.0	92.0	104.0
140°	0.0	8.0	46.0	80.0	88.0
142.5°	0.0	6.0	36.0	66.0	76.0
145°	0.0	4.0	28.0	54.0	62.0
147.5°	0.0	2.0	20.0	44.0	48.0
150°	0.0	2.0	14.0	34.0	36.0
152.5°	0.0	0.0	10.0	24.0	24.0
155°	0.0	0.0	4.0	14.0	14.0
157.5°	2.0	0.0	2.0	6.0	6.0
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)