

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-LD5-74SL-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-LD5-74SL-LW-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

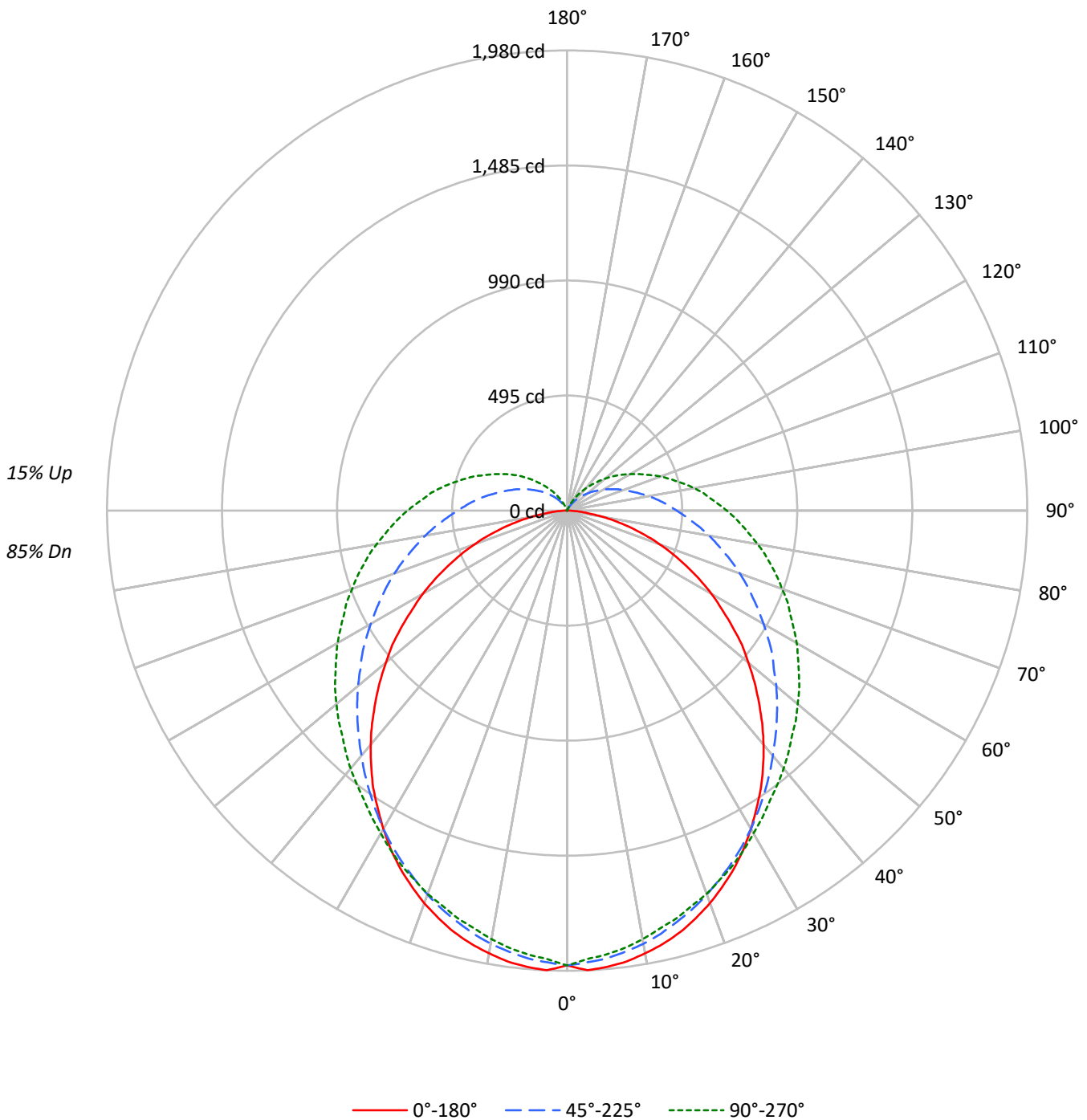
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7530.0 lumens
Efficiency: N/A
Efficacy: 127.2 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): 59.2
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°	11490	11490	11490
5°	11594	10935	10680
10°	11488	10390	9991
15°	11349	9843	9370
20°	11137	9329	8825
25°	10892	8835	8328
30°	10582	8366	7851
35°	10267	7910	7440
40°	9890	7488	7125
45°	9470	7121	6816
50°	9051	6787	6593
55°	8590	6498	6380
60°	8109	6212	6219
65°	7503	5980	6060
70°	6841	5802	5966
75°	5922	5640	5908
80°	4618	5565	5889
85°	2850	5546	5916



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.1	2.4
10°-20°	519.7	6.9
20°-30°	776.1	10.3
30°-40°	930.1	12.4
40°-50°	983.9	13.1
50°-60°	950.2	12.6
60°-70°	845.3	11.2
70°-80°	694.9	9.2
80°-90°	531.5	7.1
90°-100°	399.7	5.3
100°-110°	291.7	3.9
110°-120°	199.8	2.7
120°-130°	124.7	1.7
130°-140°	66.5	0.9
140°-150°	26.7	0.4
150°-160°	5.1	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1479.9	19.7
0°-40°	2410.0	32.0
0°-60°	4344.2	57.7
0°-90°	6415.8	85.2
90°-120°	891.2	11.8
90°-150°	1109.1	14.7
90°-180°	1114.0	14.8
0°-180°	7530.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1957	1957	1957	1957	1957	
5°	1971	1960	1935	1932	1918	187
15°	1878	1859	1831	1831	1817	529
25°	1699	1682	1674	1694	1685	782
35°	1455	1450	1480	1522	1522	908
45°	1166	1200	1276	1349	1368	901
55°	866	945	1077	1183	1217	776
65°	566	695	880	1018	1060	563
75°	283	468	701	861	908	301
85°	53	289	541	704	757	65
90°	0	222	471	634	687	3
95°	0	171	412	569	617	0
105°	0	106	303	443	488	0
115°	0	64	216	334	367	0
125°	0	39	146	236	264	0
135°	0	20	90	149	165	0
145°	0	6	39	76	87	0
155°	0	0	6	20	20	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°	1957.0	1957.0	1957.0	1957.0	1957.0
2.5°	1979.5	1968.3	1945.8	1943.0	1931.8
5°	1971.1	1959.8	1934.6	1931.8	1917.8
7.5°	1957.0	1943.0	1915.0	1912.2	1898.2
10°	1934.6	1920.6	1892.6	1889.8	1872.9
12.5°	1909.4	1895.4	1864.5	1861.7	1842.1
15°	1878.5	1858.9	1830.9	1830.9	1816.9
17.5°	1839.3	1822.5	1797.2	1800.0	1783.2
20°	1797.2	1780.4	1758.0	1766.4	1755.2
22.5°	1749.6	1729.9	1715.9	1727.1	1718.7
25°	1699.1	1682.3	1673.9	1693.5	1685.1
27.5°	1643.0	1626.2	1629.0	1648.6	1645.8
30°	1581.3	1570.1	1581.3	1606.6	1603.8
32.5°	1516.8	1511.2	1530.9	1564.5	1564.5
35°	1455.2	1449.6	1480.4	1522.5	1522.5
37.5°	1385.1	1387.9	1429.9	1477.6	1486.0
40°	1315.0	1326.2	1376.7	1435.5	1449.6
42.5°	1242.1	1261.7	1326.2	1390.7	1410.3
45°	1166.4	1200.0	1275.7	1348.6	1368.2
47.5°	1093.5	1135.5	1225.3	1309.4	1334.6
50°	1017.8	1068.2	1174.8	1267.3	1295.3
52.5°	947.7	1006.6	1121.5	1225.3	1258.9
55°	866.4	944.9	1076.7	1183.2	1216.8
57.5°	787.9	880.4	1026.2	1141.1	1177.6
60°	717.8	815.9	975.7	1101.9	1141.1
62.5°	642.1	754.2	928.1	1059.8	1099.1
65°	566.4	695.3	880.4	1017.8	1059.8
67.5°	496.3	633.7	835.5	978.5	1026.2
70°	423.4	577.6	790.7	939.3	984.1
72.5°	353.3	521.5	745.8	897.2	947.7
75°	283.2	468.2	700.9	860.8	908.4
77.5°	215.9	417.8	658.9	821.5	872.0
80°	154.2	370.1	619.6	782.3	832.7
82.5°	98.1	325.2	580.4	743.0	793.5
85°	53.3	288.8	541.1	703.8	757.0
87.5°	19.6	249.5	504.7	670.1	723.4
90°	0.0	221.5	471.0	633.7	686.9
92.5°	0.0	193.5	440.2	600.0	650.5
95°	0.0	171.0	412.2	569.2	616.8
97.5°	0.0	151.4	384.1	538.3	588.8
100°	0.0	134.6	356.1	504.7	555.1
102.5°	0.0	117.8	328.0	473.8	521.5
105°	0.0	106.5	302.8	443.0	487.9
107.5°	0.0	95.3	280.4	417.8	457.0
110°	0.0	84.1	257.9	386.9	429.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	75.7	238.3	361.7	395.3
115°	0.0	64.5	215.9	333.7	367.3
117.5°	0.0	58.9	199.1	308.4	339.3
120°	0.0	50.5	179.4	283.2	314.0
122.5°	0.0	44.9	162.6	257.9	288.8
125°	0.0	39.3	145.8	235.5	263.6
127.5°	0.0	33.6	131.8	213.1	238.3
130°	0.0	28.0	115.0	190.7	213.1
132.5°	0.0	22.4	100.9	168.2	190.7
135°	0.0	19.6	89.7	148.6	165.4
137.5°	0.0	14.0	75.7	129.0	145.8
140°	0.0	11.2	64.5	112.2	123.4
142.5°	0.0	8.4	50.5	92.5	106.5
145°	0.0	5.6	39.3	75.7	86.9
147.5°	0.0	2.8	28.0	61.7	67.3
150°	0.0	2.8	19.6	47.7	50.5
152.5°	0.0	0.0	14.0	33.6	33.6
155°	0.0	0.0	5.6	19.6	19.6
157.5°	2.8	0.0	2.8	8.4	8.4
160°	2.8	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)