

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-L840-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-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

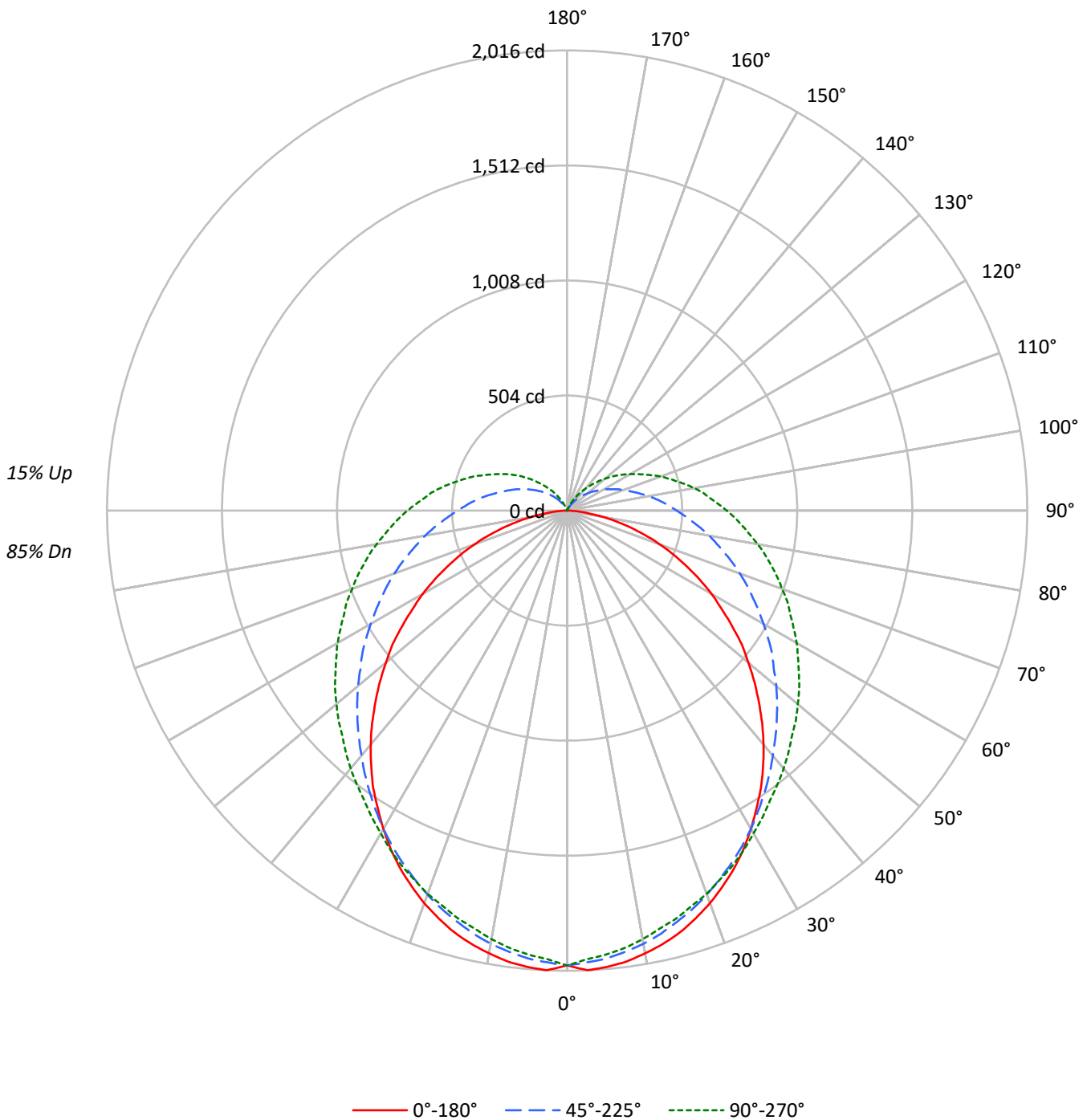
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7667.0 lumens
Efficiency: N/A
Efficacy: 129.5 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	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°	11699	11699	11699
5°	11804	11134	10874
10°	11697	10579	10173
15°	11556	10022	9540
20°	11339	9499	8985
25°	11090	8996	8479
30°	10774	8518	7993
35°	10453	8054	7575
40°	10070	7624	7254
45°	9642	7250	6940
50°	9216	6911	6713
55°	8745	6615	6497
60°	8256	6325	6332
65°	7639	6088	6170
70°	6965	5908	6074
75°	6029	5743	6016
80°	4702	5666	5996
85°	2898	5648	6024



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.5	2.4
10°-20°	529.1	6.9
20°-30°	790.2	10.3
30°-40°	947.1	12.4
40°-50°	1001.8	13.1
50°-60°	967.5	12.6
60°-70°	860.6	11.2
70°-80°	707.6	9.2
80°-90°	541.1	7.1
90°-100°	406.9	5.3
100°-110°	297.0	3.9
110°-120°	203.5	2.7
120°-130°	127.0	1.7
130°-140°	67.7	0.9
140°-150°	27.2	0.4
150°-160°	5.2	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1506.8	19.7
0°-40°	2453.9	32.0
0°-60°	4423.2	57.7
0°-90°	6532.6	85.2
90°-120°	907.4	11.8
90°-150°	1129.3	14.7
90°-180°	1134.0	14.8
0°-180°	7667.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1993	1993	1993	1993	1993	
5°	2007	1996	1970	1967	1953	190
15°	1913	1893	1864	1864	1850	539
25°	1730	1713	1704	1724	1716	796
35°	1482	1476	1507	1550	1550	925
45°	1188	1222	1299	1373	1393	917
55°	882	962	1096	1205	1239	790
65°	577	708	896	1036	1079	573
75°	288	477	714	876	925	306
85°	54	294	551	717	771	66
90°	0	226	480	645	699	3
95°	0	174	420	580	628	0
105°	0	108	308	451	497	0
115°	0	66	220	340	374	0
125°	0	40	148	240	268	0
135°	0	20	91	151	168	0
145°	0	6	40	77	88	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°	1992.6	1992.6	1992.6	1992.6	1992.6
2.5°	2015.5	2004.1	1981.2	1978.4	1967.0
5°	2006.9	1995.5	1969.8	1967.0	1952.7
7.5°	1992.6	1978.4	1949.8	1947.0	1932.7
10°	1969.8	1955.5	1927.0	1924.1	1907.0
12.5°	1944.1	1929.8	1898.4	1895.6	1875.6
15°	1912.7	1892.7	1864.2	1864.2	1849.9
17.5°	1872.7	1855.6	1829.9	1832.8	1815.7
20°	1829.9	1812.8	1790.0	1798.5	1787.1
22.5°	1781.4	1761.4	1747.1	1758.6	1750.0
25°	1730.0	1712.9	1704.3	1724.3	1715.7
27.5°	1672.9	1655.8	1658.6	1678.6	1675.8
30°	1610.1	1598.7	1610.1	1635.8	1632.9
32.5°	1544.4	1538.7	1558.7	1593.0	1593.0
35°	1481.6	1475.9	1507.3	1550.2	1550.2
37.5°	1410.3	1413.1	1455.9	1504.5	1513.0
40°	1338.9	1350.3	1401.7	1461.7	1475.9
42.5°	1264.7	1284.7	1350.3	1416.0	1436.0
45°	1187.6	1221.9	1298.9	1373.2	1393.1
47.5°	1113.4	1156.2	1247.5	1333.2	1358.9
50°	1036.3	1087.7	1196.2	1290.4	1318.9
52.5°	964.9	1024.9	1141.9	1247.5	1281.8
55°	882.1	962.1	1096.2	1204.7	1239.0
57.5°	802.2	896.4	1044.9	1161.9	1199.0
60°	730.8	830.7	993.5	1121.9	1161.9
62.5°	653.7	767.9	944.9	1079.1	1119.1
65°	576.7	708.0	896.4	1036.3	1079.1
67.5°	505.3	645.2	850.7	996.3	1044.9
70°	431.1	588.1	805.1	956.4	1002.0
72.5°	359.7	531.0	759.4	913.5	964.9
75°	288.3	476.8	713.7	876.4	925.0
77.5°	219.8	425.4	670.9	836.5	887.8
80°	157.0	376.8	630.9	796.5	847.9
82.5°	99.9	331.2	590.9	756.5	807.9
85°	54.2	294.0	551.0	716.6	770.8
87.5°	20.0	254.1	513.9	682.3	736.5
90°	0.0	225.5	479.6	645.2	699.4
92.5°	0.0	197.0	448.2	610.9	662.3
95°	0.0	174.1	419.7	579.5	628.1
97.5°	0.0	154.2	391.1	548.1	599.5
100°	0.0	137.0	362.6	513.9	565.3
102.5°	0.0	119.9	334.0	482.5	531.0
105°	0.0	108.5	308.3	451.1	496.7
107.5°	0.0	97.1	285.5	425.4	465.3
110°	0.0	85.6	262.6	394.0	436.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	77.1	242.7	368.3	402.5
115°	0.0	65.7	219.8	339.7	374.0
117.5°	0.0	60.0	202.7	314.0	345.4
120°	0.0	51.4	182.7	288.3	319.7
122.5°	0.0	45.7	165.6	262.6	294.0
125°	0.0	40.0	148.4	239.8	268.4
127.5°	0.0	34.3	134.2	217.0	242.7
130°	0.0	28.5	117.0	194.1	217.0
132.5°	0.0	22.8	102.8	171.3	194.1
135°	0.0	20.0	91.4	151.3	168.4
137.5°	0.0	14.3	77.1	131.3	148.4
140°	0.0	11.4	65.7	114.2	125.6
142.5°	0.0	8.6	51.4	94.2	108.5
145°	0.0	5.7	40.0	77.1	88.5
147.5°	0.0	2.9	28.5	62.8	68.5
150°	0.0	2.9	20.0	48.5	51.4
152.5°	0.0	0.0	14.3	34.3	34.3
155°	0.0	0.0	5.7	20.0	20.0
157.5°	2.9	0.0	2.9	8.6	8.6
160°	2.9	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)