

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-LD5-82SL-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-LD5-82SL-LW-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

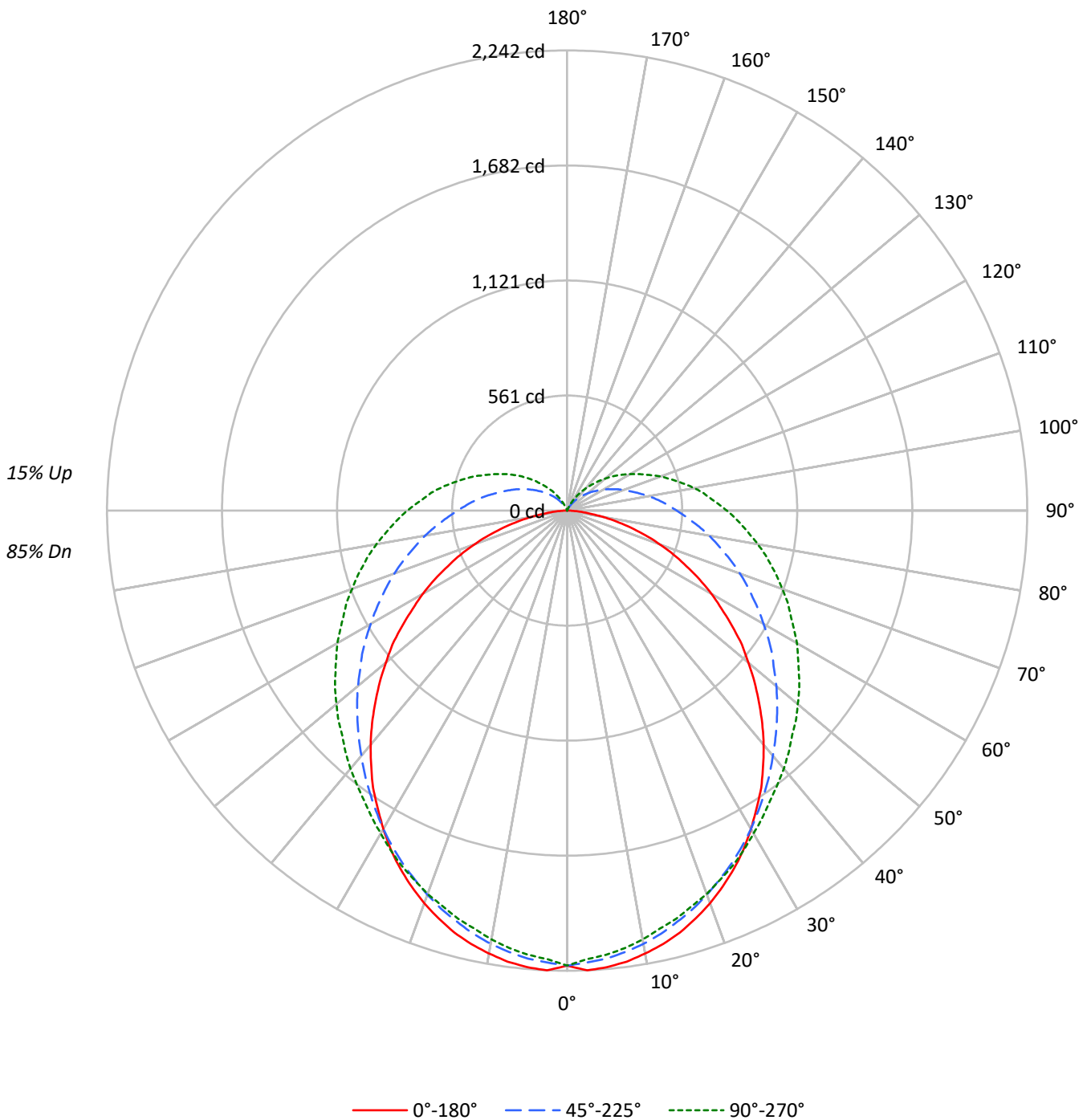
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8529.0 lumens
Efficiency: N/A
Efficacy: 126.5 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): 67.4
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°	13015	13015	13015
5°	13132	12386	12097
10°	13012	11768	11317
15°	12855	11149	10613
20°	12615	10566	9996
25°	12337	10007	9432
30°	11985	9476	8892
35°	11628	8960	8426
40°	11202	8482	8070
45°	10726	8066	7721
50°	10252	7688	7468
55°	9729	7359	7227
60°	9185	7036	7044
65°	8498	6773	6864
70°	7747	6572	6758
75°	6708	6388	6691
80°	5232	6303	6670
85°	3224	6282	6701



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.5	2.4
10°-20°	588.6	6.9
20°-30°	879.1	10.3
30°-40°	1053.5	12.4
40°-50°	1114.5	13.1
50°-60°	1076.3	12.6
60°-70°	957.4	11.2
70°-80°	787.1	9.2
80°-90°	602.0	7.1
90°-100°	452.7	5.3
100°-110°	330.4	3.9
110°-120°	226.3	2.7
120°-130°	141.2	1.7
130°-140°	75.3	0.9
140°-150°	30.2	0.4
150°-160°	5.8	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1676.2	19.7
0°-40°	2729.8	32.0
0°-60°	4920.5	57.7
0°-90°	7267.0	85.2
90°-120°	1009.4	11.8
90°-150°	1256.2	14.7
90°-180°	1262.0	14.8
0°-180°	8529.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2217	2217	2217	2217	2217	
5°	2233	2220	2191	2188	2172	212
15°	2128	2106	2074	2074	2058	599
25°	1924	1906	1896	1918	1909	885
35°	1648	1642	1677	1724	1724	1029
45°	1321	1359	1445	1528	1550	1020
55°	981	1070	1220	1340	1378	878
65°	642	788	997	1153	1200	637
75°	321	530	794	975	1029	341
85°	60	327	613	797	858	73
90°	0	251	534	718	778	3
95°	0	194	467	645	699	0
105°	0	121	343	502	553	0
115°	0	73	244	378	416	0
125°	0	44	165	267	298	0
135°	0	22	102	168	187	0
145°	0	6	44	86	98	0
155°	0	0	6	22	22	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°	2216.7	2216.7	2216.7	2216.7	2216.7
2.5°	2242.1	2229.4	2204.0	2200.8	2188.1
5°	2232.6	2219.9	2191.3	2188.1	2172.2
7.5°	2216.7	2200.8	2169.0	2165.9	2150.0
10°	2191.3	2175.4	2143.6	2140.5	2121.4
12.5°	2162.7	2146.8	2111.9	2108.7	2086.5
15°	2127.8	2105.5	2073.8	2073.8	2057.9
17.5°	2083.3	2064.2	2035.7	2038.8	2019.8
20°	2035.7	2016.6	1991.2	2000.7	1988.0
22.5°	1981.7	1959.4	1943.6	1956.3	1946.7
25°	1924.5	1905.5	1895.9	1918.2	1908.6
27.5°	1861.0	1841.9	1845.1	1867.3	1864.2
30°	1791.1	1778.4	1791.1	1819.7	1816.5
32.5°	1718.1	1711.7	1734.0	1772.1	1772.1
35°	1648.2	1641.9	1676.8	1724.4	1724.4
37.5°	1568.8	1572.0	1619.6	1673.6	1683.2
40°	1489.4	1502.1	1559.3	1626.0	1641.9
42.5°	1406.9	1429.1	1502.1	1575.2	1597.4
45°	1321.1	1359.2	1445.0	1527.5	1549.8
47.5°	1238.5	1286.2	1387.8	1483.1	1511.7
50°	1152.8	1210.0	1330.6	1435.4	1467.2
52.5°	1073.4	1140.1	1270.3	1387.8	1425.9
55°	981.3	1070.2	1219.5	1340.2	1378.3
57.5°	892.4	997.2	1162.3	1292.5	1333.8
60°	813.0	924.1	1105.2	1248.1	1292.5
62.5°	727.2	854.3	1051.2	1200.4	1244.9
65°	641.5	787.6	997.2	1152.8	1200.4
67.5°	562.1	717.7	946.4	1108.3	1162.3
70°	479.5	654.2	895.6	1063.9	1114.7
72.5°	400.1	590.7	844.8	1016.2	1073.4
75°	320.8	530.4	793.9	975.0	1028.9
77.5°	244.5	473.2	746.3	930.5	987.7
80°	174.7	419.2	701.8	886.0	943.2
82.5°	111.2	368.4	657.4	841.6	898.7
85°	60.3	327.1	612.9	797.1	857.5
87.5°	22.2	282.6	571.6	759.0	819.3
90°	0.0	250.9	533.5	717.7	778.1
92.5°	0.0	219.1	498.6	679.6	736.8
95°	0.0	193.7	466.8	644.7	698.7
97.5°	0.0	171.5	435.1	609.7	666.9
100°	0.0	152.4	403.3	571.6	628.8
102.5°	0.0	133.4	371.6	536.7	590.7
105°	0.0	120.7	343.0	501.8	552.6
107.5°	0.0	108.0	317.6	473.2	517.6
110°	0.0	95.3	292.2	438.3	485.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	85.7	269.9	409.7	447.8
115°	0.0	73.0	244.5	377.9	416.0
117.5°	0.0	66.7	225.5	349.3	384.3
120°	0.0	57.2	203.2	320.8	355.7
122.5°	0.0	50.8	184.2	292.2	327.1
125°	0.0	44.5	165.1	266.8	298.5
127.5°	0.0	38.1	149.3	241.4	269.9
130°	0.0	31.8	130.2	216.0	241.4
132.5°	0.0	25.4	114.3	190.5	216.0
135°	0.0	22.2	101.6	168.3	187.4
137.5°	0.0	15.9	85.7	146.1	165.1
140°	0.0	12.7	73.0	127.0	139.7
142.5°	0.0	9.5	57.2	104.8	120.7
145°	0.0	6.4	44.5	85.7	98.4
147.5°	0.0	3.2	31.8	69.9	76.2
150°	0.0	3.2	22.2	54.0	57.2
152.5°	0.0	0.0	15.9	38.1	38.1
155°	0.0	0.0	6.4	22.2	22.2
157.5°	3.2	0.0	3.2	9.5	9.5
160°	3.2	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)