

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-LD5-60SL-LN-UNV-L830-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 (P35658)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-60SL-LN-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

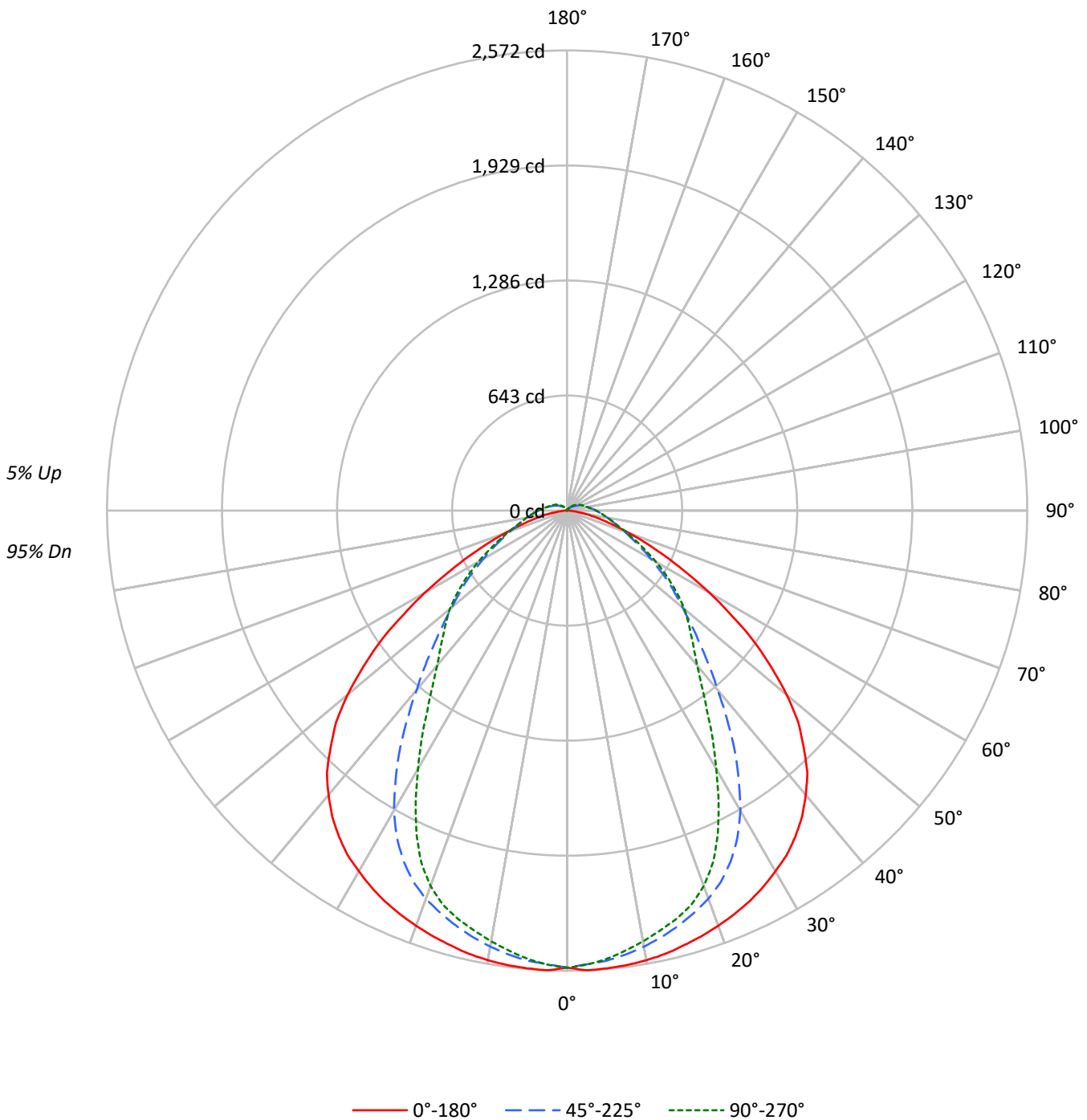
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5840.0 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')
CIE Type: 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					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	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95				95
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80				80
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69				69
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59				59
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52				52
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46				46
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41				41
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37				37
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33				33
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30				30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14997	14997	14997
5°	15107	14273	14012
10°	15153	13583	13043
15°	15202	12912	12183
20°	15301	12253	11226
25°	15445	11416	9847
30°	15579	10246	8156
35°	15690	8719	6650
40°	15607	7120	5546
45°	15176	5838	4875
50°	14251	4853	4353
55°	12650	4149	3738
60°	10366	3447	3123
65°	8030	2891	2558
70°	5935	2480	2119
75°	4226	2198	1801
80°	2932	2043	1609
85°	1834	1954	1500



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.6	4.1
10°-20°	683.5	11.7
20°-30°	998.6	17.1
30°-40°	1066.6	18.3
40°-50°	939.9	16.1
50°-60°	713.7	12.2
60°-70°	455.0	7.8
70°-80°	271.4	4.6
80°-90°	170.5	2.9
90°-100°	112.8	1.9
100°-110°	76.7	1.3
110°-120°	51.6	0.9
120°-130°	31.9	0.5
130°-140°	16.9	0.3
140°-150°	7.3	0.1
150°-160°	2.3	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	1922.8	32.9
0°-40°	2989.4	51.2
0°-60°	4643.0	79.5
0°-90°	5539.9	94.9
90°-120°	241.1	4.1
90°-150°	297.1	5.1
90°-180°	300.0	5.1
0°-180°	5840.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2554	2554	2554	2554	2554	
5°	2568	2549	2525	2533	2516	245
15°	2516	2469	2402	2385	2362	712
25°	2409	2301	2163	2059	1993	1112
35°	2224	1982	1632	1427	1361	1389
45°	1869	1407	1046	985	978	1437
55°	1276	798	688	712	713	1129
65°	606	410	426	451	447	612
75°	202	208	273	286	277	225
85°	34	113	191	201	192	42
90°	1	85	161	169	161	2
95°	0	65	135	142	135	0
105°	0	41	94	103	99	0
115°	0	25	65	78	76	0
125°	1	16	43	55	53	1
135°	1	9	27	33	32	1
145°	1	4	14	18	16	1
155°	1	2	5	8	5	1
165°	1	2	2	0	0	0
175°	2	2	2	0	0	0
180°	1	1	1	1	1	



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-60SL-LN-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2554.3	2554.3	2554.3	2554.3	2554.3
2.5°	2572.1	2556.8	2537.8	2550.5	2540.3
5°	2568.3	2549.2	2525.1	2532.7	2516.2
7.5°	2561.9	2537.8	2503.5	2500.9	2481.9
10°	2551.8	2520.0	2474.2	2465.3	2445.0
12.5°	2537.8	2498.4	2441.2	2427.2	2403.1
15°	2516.2	2469.2	2401.8	2385.3	2362.4
17.5°	2494.6	2436.1	2357.3	2337.0	2310.3
20°	2469.2	2398.0	2309.0	2265.8	2232.8
22.5°	2442.5	2354.8	2245.5	2173.1	2129.9
25°	2409.4	2301.4	2162.9	2058.7	1992.6
27.5°	2372.6	2245.5	2061.2	1911.3	1832.5
30°	2328.1	2170.5	1936.7	1748.6	1666.0
32.5°	2283.6	2089.2	1784.2	1588.5	1513.5
35°	2223.9	1982.4	1631.7	1427.1	1361.0
37.5°	2156.5	1863.0	1465.2	1283.5	1235.2
40°	2075.2	1723.2	1308.9	1164.0	1128.5
42.5°	1987.5	1569.4	1172.9	1067.5	1048.4
45°	1869.3	1406.8	1045.9	984.9	978.5
47.5°	1752.4	1244.1	937.8	912.4	916.2
50°	1602.5	1082.7	840.0	848.9	855.2
52.5°	1437.3	934.0	759.9	779.0	784.1
55°	1275.9	798.1	687.5	711.6	712.9
57.5°	1087.8	678.6	608.7	645.6	641.8
60°	917.5	573.1	541.4	570.6	573.1
62.5°	749.8	486.7	481.6	507.0	505.8
65°	606.2	410.5	425.7	451.1	447.3
67.5°	481.6	343.1	378.7	400.3	391.4
70°	367.3	291.0	338.0	354.6	349.5
72.5°	275.8	246.5	302.4	317.7	308.8
75°	202.1	208.4	273.2	285.9	277.0
77.5°	144.9	179.2	250.3	258.0	251.6
80°	97.9	152.5	227.5	237.6	227.5
82.5°	62.3	130.9	208.4	217.3	208.4
85°	34.3	113.1	190.6	200.8	191.9
87.5°	15.2	97.9	175.4	184.3	176.6
90°	1.3	85.1	161.4	169.0	161.4
92.5°	0.0	73.7	147.4	156.3	148.7
95°	0.0	64.8	134.7	142.3	134.7
97.5°	0.0	57.2	123.3	130.9	124.5
100°	0.0	50.8	113.1	120.7	114.4
102.5°	0.0	44.5	102.9	111.8	106.7
105°	0.0	40.7	94.0	102.9	99.1
107.5°	0.0	35.6	86.4	96.6	94.0
110°	0.0	31.8	78.8	90.2	87.7



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-60SL-LN-UNV-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.2	71.2	83.9	81.3
115°	0.0	25.4	64.8	77.5	76.2
117.5°	0.0	22.9	59.7	71.2	71.2
120°	1.3	20.3	54.6	66.1	64.8
122.5°	1.3	17.8	48.3	59.7	58.5
125°	1.3	16.5	43.2	54.6	53.4
127.5°	1.3	14.0	39.4	48.3	47.0
130°	1.3	12.7	34.3	43.2	41.9
132.5°	1.3	10.2	30.5	38.1	36.9
135°	1.3	8.9	26.7	33.0	31.8
137.5°	1.3	7.6	22.9	29.2	28.0
140°	1.3	6.4	20.3	25.4	24.1
142.5°	1.3	5.1	16.5	21.6	20.3
145°	1.3	3.8	14.0	17.8	16.5
147.5°	1.3	2.5	11.4	15.2	14.0
150°	1.3	2.5	8.9	12.7	11.4
152.5°	1.3	2.5	7.6	10.2	7.6
155°	1.3	2.5	5.1	7.6	5.1
157.5°	1.3	2.5	3.8	5.1	3.8
160°	1.3	2.5	3.8	3.8	1.3
162.5°	1.3	2.5	2.5	1.3	0.0
165°	1.3	2.5	2.5	0.0	0.0
167.5°	1.3	2.5	2.5	0.0	0.0
170°	1.3	2.5	2.5	0.0	0.0
172.5°	1.3	2.5	2.5	0.0	0.0
175°	2.5	2.5	2.5	0.0	0.0
177.5°	1.3	2.5	1.3	0.0	0.0
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)