

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-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 (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-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

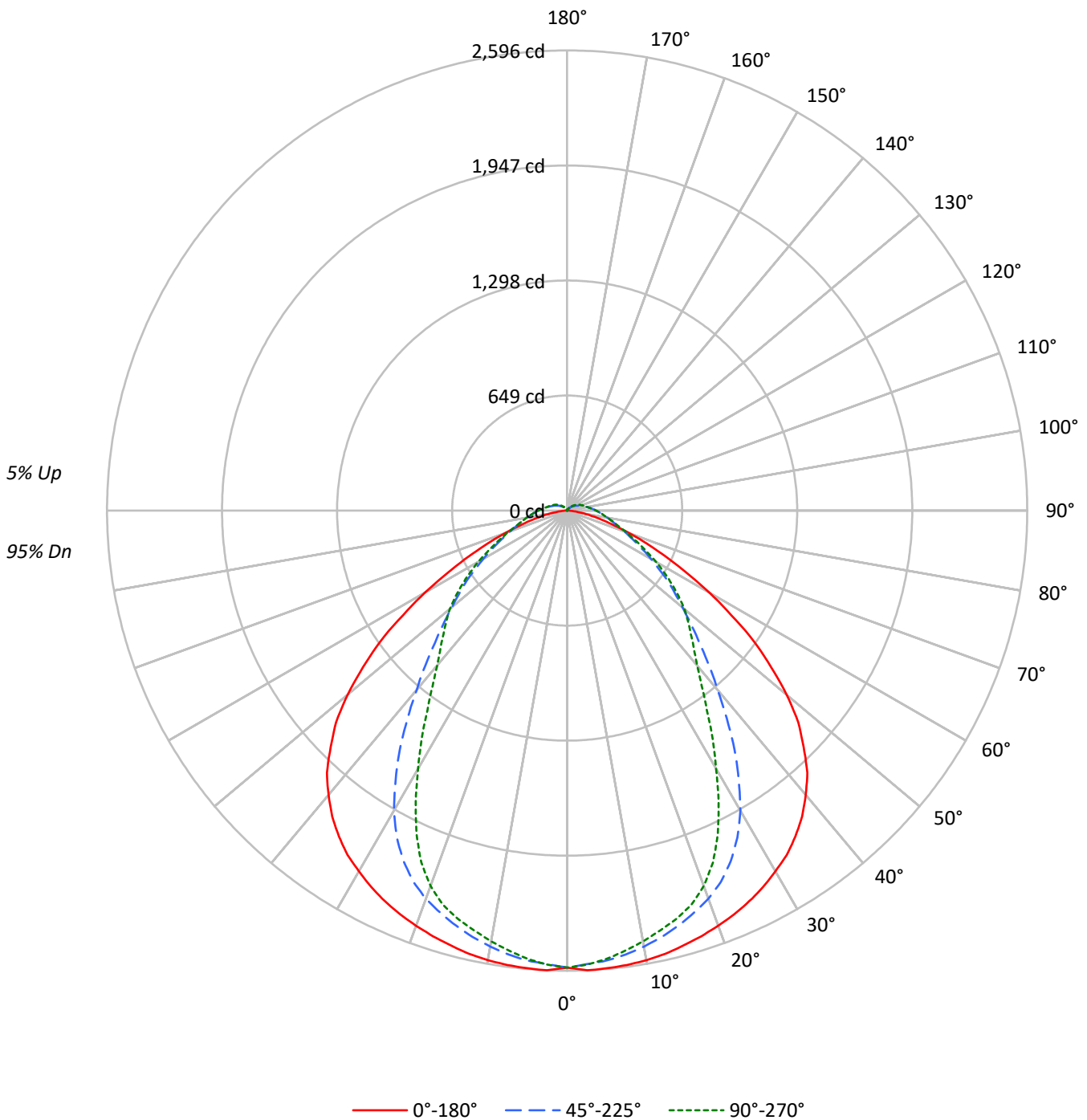
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5894.0 lumens
Efficiency: N/A
Efficacy: 146.3 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 (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	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95				
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80				
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69				
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59				
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52				
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41				
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37				
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15135	15135	15135
5°	15246	14405	14141
10°	15293	13709	13164
15°	15342	13032	12296
20°	15442	12366	11330
25°	15588	11522	9938
30°	15723	10341	8231
35°	15835	8800	6712
40°	15752	7185	5598
45°	15317	5892	4920
50°	14383	4898	4394
55°	12767	4188	3773
60°	10462	3479	3152
65°	8104	2919	2582
70°	5990	2504	2138
75°	4264	2218	1818
80°	2959	2062	1624
85°	1850	1972	1514



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.9	4.1
10°-20°	689.8	11.7
20°-30°	1007.9	17.1
30°-40°	1076.4	18.3
40°-50°	948.6	16.1
50°-60°	720.3	12.2
60°-70°	459.2	7.8
70°-80°	273.9	4.6
80°-90°	172.1	2.9
90°-100°	113.9	1.9
100°-110°	77.4	1.3
110°-120°	52.0	0.9
120°-130°	32.2	0.5
130°-140°	17.0	0.3
140°-150°	7.4	0.1
150°-160°	2.4	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	1940.6	32.9
0°-40°	3017.0	51.2
0°-60°	4685.9	79.5
0°-90°	5591.1	94.9
90°-120°	243.3	4.1
90°-150°	299.9	5.1
90°-180°	303.0	5.1
0°-180°	5894.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2578	2578	2578	2578	2578	
5°	2592	2573	2548	2556	2539	247
15°	2539	2492	2424	2407	2384	718
25°	2432	2323	2183	2078	2011	1122
35°	2244	2001	1647	1440	1374	1402
45°	1887	1420	1056	994	988	1450
55°	1288	805	694	718	720	1140
65°	612	414	430	455	452	618
75°	204	210	276	289	280	227
85°	35	114	192	203	194	42
90°	1	86	163	171	163	2
95°	0	65	136	144	136	0
105°	0	41	95	104	100	0
115°	0	26	65	78	77	0
125°	1	17	44	55	54	1
135°	1	9	27	33	32	1
145°	1	4	14	18	17	1
155°	1	3	5	8	5	1
165°	1	3	3	0	0	0
175°	3	3	3	0	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2577.9	2577.9	2577.9	2577.9	2577.9
2.5°	2595.9	2580.5	2561.2	2574.1	2563.8
5°	2592.0	2572.8	2548.4	2556.1	2539.4
7.5°	2585.6	2561.2	2526.6	2524.1	2504.8
10°	2575.4	2543.3	2497.1	2488.1	2467.6
12.5°	2561.2	2521.5	2463.8	2449.7	2425.3
15°	2539.4	2492.0	2424.0	2407.3	2384.3
17.5°	2517.6	2458.6	2379.1	2358.6	2331.7
20°	2492.0	2420.2	2330.4	2286.8	2253.4
22.5°	2465.1	2376.6	2266.3	2193.2	2149.5
25°	2431.7	2322.7	2182.9	2077.7	2011.0
27.5°	2394.5	2266.3	2080.3	1928.9	1849.4
30°	2349.6	2190.6	1954.6	1764.8	1681.4
32.5°	2304.7	2108.5	1800.7	1603.2	1527.5
35°	2244.5	2000.8	1646.8	1440.3	1373.6
37.5°	2176.5	1880.2	1478.8	1295.4	1246.6
40°	2094.4	1739.1	1321.0	1174.8	1138.9
42.5°	2005.9	1583.9	1183.8	1077.3	1058.1
45°	1886.6	1419.8	1055.5	994.0	987.6
47.5°	1768.6	1255.6	946.5	920.9	924.7
50°	1617.3	1092.7	847.8	856.7	863.2
52.5°	1450.6	942.7	767.0	786.2	791.3
55°	1287.7	805.4	693.9	718.2	719.5
57.5°	1097.9	684.9	614.3	651.5	647.7
60°	926.0	578.4	546.4	575.9	578.4
62.5°	756.7	491.2	486.1	511.7	510.5
65°	611.8	414.3	429.7	455.3	451.5
67.5°	486.1	346.3	382.2	404.0	395.0
70°	370.7	293.7	341.2	357.8	352.7
72.5°	278.3	248.8	305.2	320.6	311.7
75°	203.9	210.3	275.7	288.6	279.6
77.5°	146.2	180.8	252.7	260.4	253.9
80°	98.8	153.9	229.6	239.8	229.6
82.5°	62.8	132.1	210.3	219.3	210.3
85°	34.6	114.1	192.4	202.6	193.7
87.5°	15.4	98.8	177.0	186.0	178.3
90°	1.3	85.9	162.9	170.6	162.9
92.5°	0.0	74.4	148.8	157.8	150.1
95°	0.0	65.4	135.9	143.6	135.9
97.5°	0.0	57.7	124.4	132.1	125.7
100°	0.0	51.3	114.1	121.8	115.4
102.5°	0.0	44.9	103.9	112.9	107.7
105°	0.0	41.0	94.9	103.9	100.0
107.5°	0.0	35.9	87.2	97.5	94.9
110°	0.0	32.1	79.5	91.1	88.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.5	71.8	84.6	82.1
115°	0.0	25.7	65.4	78.2	77.0
117.5°	0.0	23.1	60.3	71.8	71.8
120°	1.3	20.5	55.1	66.7	65.4
122.5°	1.3	18.0	48.7	60.3	59.0
125°	1.3	16.7	43.6	55.1	53.9
127.5°	1.3	14.1	39.8	48.7	47.5
130°	1.3	12.8	34.6	43.6	42.3
132.5°	1.3	10.3	30.8	38.5	37.2
135°	1.3	9.0	26.9	33.3	32.1
137.5°	1.3	7.7	23.1	29.5	28.2
140°	1.3	6.4	20.5	25.7	24.4
142.5°	1.3	5.1	16.7	21.8	20.5
145°	1.3	3.8	14.1	18.0	16.7
147.5°	1.3	2.6	11.5	15.4	14.1
150°	1.3	2.6	9.0	12.8	11.5
152.5°	1.3	2.6	7.7	10.3	7.7
155°	1.3	2.6	5.1	7.7	5.1
157.5°	1.3	2.6	3.8	5.1	3.8
160°	1.3	2.6	3.8	3.8	1.3
162.5°	1.3	2.6	2.6	1.3	0.0
165°	1.3	2.6	2.6	0.0	0.0
167.5°	1.3	2.6	2.6	0.0	0.0
170°	1.3	2.6	2.6	0.0	0.0
172.5°	1.3	2.6	2.6	0.0	0.0
175°	2.6	2.6	2.6	0.0	0.0
177.5°	1.3	2.6	1.3	0.0	0.0
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)