

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-LD5-75SL-LC-UNV-L850-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-75SL-LC-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

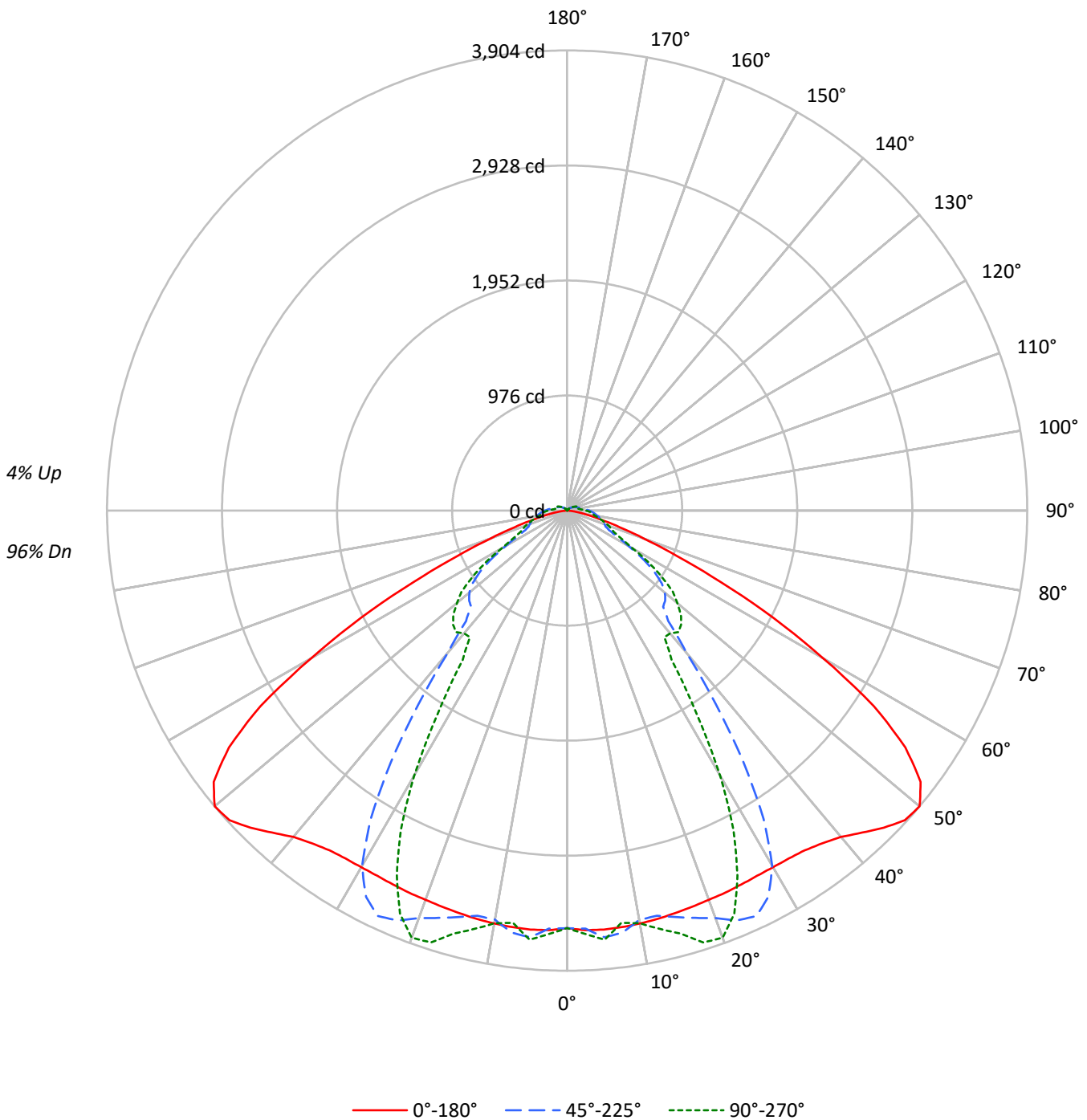
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8544.0 lumens
Efficiency: N/A
Efficacy: 159.4 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')
CIE Type: Direct

Input Watts (W): 53.6
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	115	115	115	115	109	109	109	104	104	104	99	99	99	96				
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	83				
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72				
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62				
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	54				
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	48				
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	43				
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38				
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	35				
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	32				
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20801	20801	20801
5°	20989	20541	20349
10°	21124	19350	18967
15°	21360	19193	19154
20°	21773	19525	19389
25°	22429	20037	16896
30°	23378	18406	12713
35°	24815	13935	7551
40°	27180	8545	6682
45°	30878	6429	6818
50°	34715	6254	6206
55°	34727	5433	5131
60°	28372	3840	3476
65°	19024	2661	2522
70°	11102	2474	2276
75°	6213	2434	1932
80°	3549	2340	1650
85°	1754	2317	1624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.5	4.0
10°-20°	1027.2	12.0
20°-30°	1634.8	19.1
30°-40°	1666.1	19.5
40°-50°	1407.2	16.5
50°-60°	1084.6	12.7
60°-70°	560.3	6.6
70°-80°	309.6	3.6
80°-90°	197.0	2.3
90°-100°	121.2	1.4
100°-110°	78.2	0.9
110°-120°	56.7	0.7
120°-130°	32.8	0.4
130°-140°	15.8	0.2
140°-150°	6.6	0.1
150°-160°	2.3	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	3004.4	35.2
0°-40°	4670.5	54.7
0°-60°	7162.3	83.8
0°-90°	8229.2	96.3
90°-120°	256.1	3.0
90°-150°	311.3	3.6
90°-180°	315.0	3.7
0°-180°	8544.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3543	3543	3543	3543	3543	
5°	3568	3581	3634	3668	3654	340
15°	3536	3537	3570	3698	3714	1002
25°	3499	3523	3796	3610	3419	1620
35°	3517	3683	2608	1773	1545	2220
45°	3803	2220	1152	1328	1369	2937
55°	3503	816	900	979	979	3033
65°	1436	374	392	441	441	1482
75°	297	246	302	304	297	358
85°	33	160	226	219	208	45
90°	0	124	188	173	160	2
95°	0	97	149	131	120	0
105°	0	58	98	91	86	0
115°	2	35	71	86	84	1
125°	2	18	46	55	49	2
135°	2	9	26	31	26	1
145°	2	4	13	16	13	1
155°	2	2	6	7	4	1
165°	2	4	4	4	0	1
175°	4	4	4	4	0	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3542.8	3542.8	3542.8	3542.8	3542.8
2.5°	3562.8	3550.1	3550.1	3595.6	3595.6
5°	3568.3	3581.1	3633.9	3668.5	3654.0
7.5°	3564.7	3623.0	3610.2	3559.2	3526.4
10°	3557.4	3644.8	3524.6	3559.2	3555.5
12.5°	3548.3	3612.0	3520.9	3643.0	3635.7
15°	3535.5	3537.3	3570.1	3697.7	3714.1
17.5°	3524.6	3489.9	3623.0	3794.3	3841.7
20°	3513.6	3475.4	3679.5	3876.3	3856.2
22.5°	3508.2	3488.1	3763.3	3814.3	3703.2
25°	3499.0	3522.7	3796.1	3610.2	3418.9
27.5°	3491.8	3562.8	3695.9	3262.1	3058.0
30°	3493.6	3619.3	3479.0	2853.9	2596.9
32.5°	3499.0	3674.0	3101.8	2307.2	2041.1
35°	3517.3	3683.1	2607.9	1773.2	1545.4
37.5°	3557.4	3582.9	2070.3	1403.3	1354.1
40°	3613.9	3280.4	1570.9	1310.3	1359.5
42.5°	3705.0	2771.9	1270.2	1324.9	1397.8
45°	3803.4	2219.7	1151.8	1328.5	1368.6
47.5°	3887.2	1638.4	1128.1	1279.3	1308.5
50°	3903.6	1233.8	1082.5	1201.0	1219.2
52.5°	3779.7	975.0	1009.6	1097.1	1129.9
55°	3502.7	816.4	900.3	978.6	978.6
57.5°	3085.4	692.5	756.3	831.0	823.7
60°	2511.3	570.4	603.2	648.8	637.8
62.5°	1975.5	457.4	468.4	517.6	524.9
65°	1436.1	373.6	391.8	441.0	441.0
67.5°	1007.8	318.9	353.5	399.1	402.8
70°	687.1	287.9	337.1	373.6	375.4
72.5°	468.4	266.1	320.7	340.8	335.3
75°	297.1	246.0	302.5	304.3	297.1
77.5°	193.2	224.2	284.3	269.7	264.3
80°	118.5	202.3	260.6	242.4	233.3
82.5°	67.4	180.4	242.4	229.6	220.5
85°	32.8	160.4	226.0	218.7	207.8
87.5°	12.8	142.1	207.8	196.8	185.9
90°	0.0	123.9	187.7	173.1	160.4
92.5°	0.0	109.3	167.7	149.4	138.5
95°	0.0	96.6	149.4	131.2	120.3
97.5°	0.0	85.7	133.0	116.6	103.9
100°	0.0	76.5	120.3	103.9	94.8
102.5°	0.0	67.4	107.5	96.6	91.1
105°	0.0	58.3	98.4	91.1	85.7
107.5°	0.0	51.0	89.3	87.5	83.8
110°	0.0	45.6	83.8	85.7	87.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	40.1	76.5	87.5	89.3
115°	1.8	34.6	71.1	85.7	83.8
117.5°	1.8	29.2	63.8	76.5	72.9
120°	1.8	25.5	58.3	69.3	63.8
122.5°	1.8	21.9	51.0	60.1	56.5
125°	1.8	18.2	45.6	54.7	49.2
127.5°	1.8	16.4	40.1	47.4	43.7
130°	1.8	14.6	34.6	41.9	38.3
132.5°	1.8	10.9	31.0	36.4	31.0
135°	1.8	9.1	25.5	31.0	25.5
137.5°	1.8	7.3	21.9	25.5	21.9
140°	1.8	5.5	18.2	21.9	18.2
142.5°	1.8	5.5	14.6	20.0	14.6
145°	1.8	3.6	12.8	16.4	12.8
147.5°	1.8	3.6	10.9	14.6	10.9
150°	1.8	3.6	9.1	12.8	7.3
152.5°	1.8	1.8	7.3	10.9	5.5
155°	1.8	1.8	5.5	7.3	3.6
157.5°	1.8	1.8	5.5	5.5	3.6
160°	1.8	1.8	5.5	5.5	1.8
162.5°	1.8	1.8	3.6	3.6	0.0
165°	1.8	3.6	3.6	3.6	0.0
167.5°	1.8	3.6	3.6	3.6	0.0
170°	1.8	3.6	3.6	3.6	0.0
172.5°	1.8	3.6	3.6	3.6	0.0
175°	3.6	3.6	3.6	3.6	0.0
177.5°	3.6	3.6	3.6	3.6	0.0
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)