

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-LD5-94SL-LC-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-94SL-LC-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

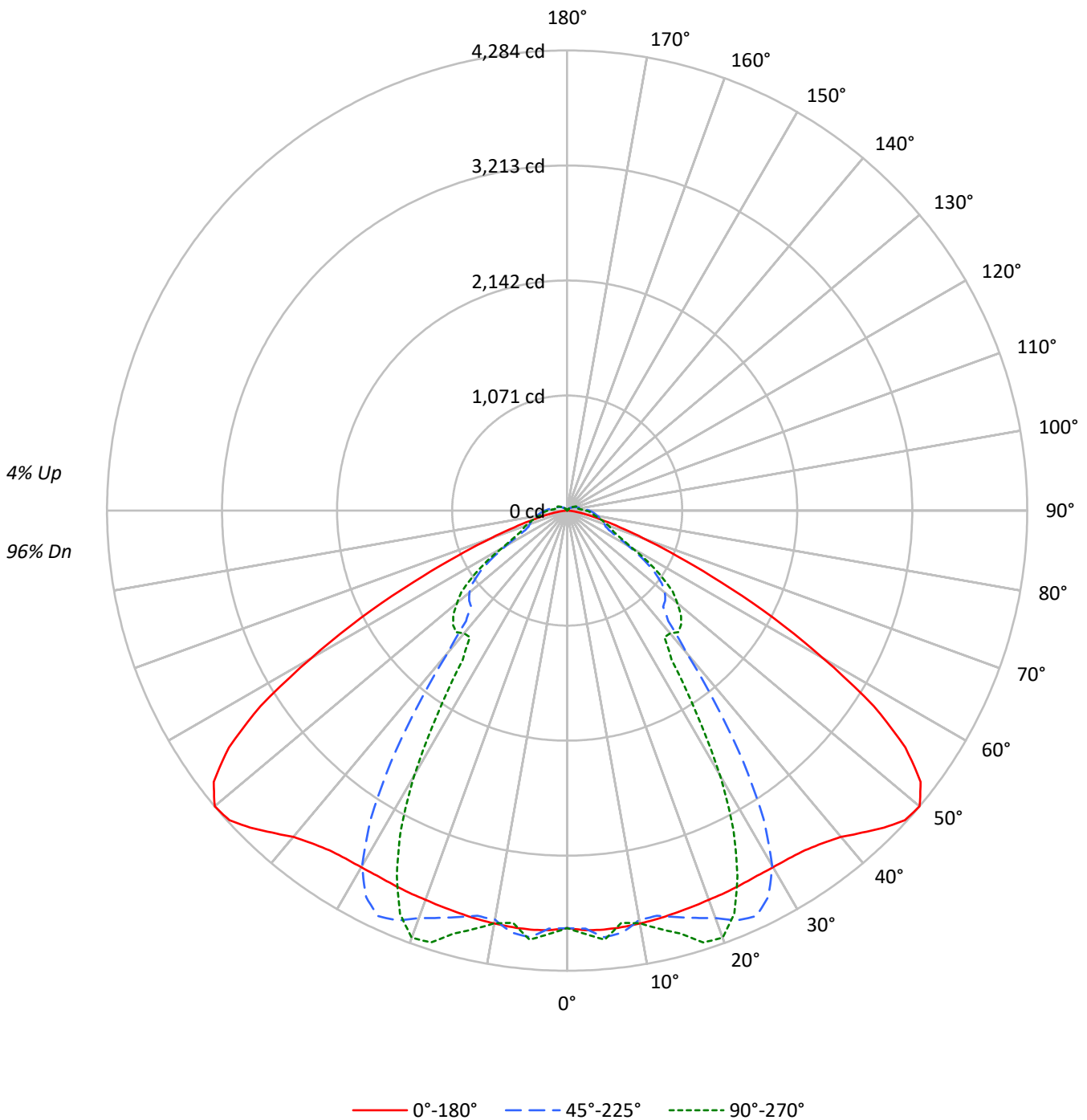
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9376.1 lumens
Efficiency: N/A
Efficacy: 139.1 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): 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	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°	22826	22826	22826
5°	23033	22541	22330
10°	23181	21234	20815
15°	23440	21062	21019
20°	23893	21427	21277
25°	24614	21988	18541
30°	25655	20198	13951
35°	27232	15292	8287
40°	29826	9377	7333
45°	33886	7055	7482
50°	38096	6863	6810
55°	38109	5962	5631
60°	31134	4215	3815
65°	20876	2921	2767
70°	12183	2715	2498
75°	6817	2671	2120
80°	3894	2569	1810
85°	1925	2542	1782



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.9	4.0
10°-20°	1127.2	12.0
20°-30°	1794.0	19.1
30°-40°	1828.3	19.5
40°-50°	1544.2	16.5
50°-60°	1190.3	12.7
60°-70°	614.9	6.6
70°-80°	339.8	3.6
80°-90°	216.2	2.3
90°-100°	133.0	1.4
100°-110°	85.8	0.9
110°-120°	62.2	0.7
120°-130°	35.9	0.4
130°-140°	17.4	0.2
140°-150°	7.3	0.1
150°-160°	2.6	0.0
160°-170°	0.9	0.0
170°-180°	0.3	0.0
0°-30°	3297.0	35.2
0°-40°	5125.3	54.7
0°-60°	7859.8	83.8
0°-90°	9030.6	96.3
90°-120°	281.1	3.0
90°-150°	341.7	3.6
90°-180°	345.0	3.7
0°-180°	9376.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3888	3888	3888	3888	3888	
5°	3916	3930	3988	4026	4010	373
15°	3880	3882	3918	4058	4076	1099
25°	3840	3866	4166	3962	3752	1778
35°	3860	4042	2862	1946	1696	2436
45°	4174	2436	1264	1458	1502	3224
55°	3844	896	988	1074	1074	3328
65°	1576	410	430	484	484	1626
75°	326	270	332	334	326	393
85°	36	176	248	240	228	49
90°	0	136	206	190	176	2
95°	0	106	164	144	132	0
105°	0	64	108	100	94	0
115°	2	38	78	94	92	1
125°	2	20	50	60	54	2
135°	2	10	28	34	28	2
145°	2	4	14	18	14	1
155°	2	2	6	8	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°	3887.8	3887.8	3887.8	3887.8	3887.8
2.5°	3909.8	3895.8	3895.8	3945.8	3945.8
5°	3915.8	3929.8	3987.8	4025.8	4009.8
7.5°	3911.8	3975.8	3961.8	3905.8	3869.8
10°	3903.8	3999.8	3867.8	3905.8	3901.8
12.5°	3893.8	3963.8	3863.8	3997.8	3989.8
15°	3879.8	3881.8	3917.8	4057.8	4075.8
17.5°	3867.8	3829.8	3975.8	4163.8	4215.8
20°	3855.8	3813.8	4037.8	4253.8	4231.8
22.5°	3849.8	3827.8	4129.8	4185.8	4063.8
25°	3839.8	3865.8	4165.8	3961.8	3751.8
27.5°	3831.8	3909.8	4055.8	3579.8	3355.8
30°	3833.8	3971.8	3817.8	3131.8	2849.8
32.5°	3839.8	4031.8	3403.8	2531.9	2239.9
35°	3859.8	4041.8	2861.8	1945.9	1695.9
37.5°	3903.8	3931.8	2271.9	1539.9	1485.9
40°	3965.8	3599.8	1723.9	1437.9	1491.9
42.5°	4065.8	3041.8	1393.9	1453.9	1533.9
45°	4173.8	2435.9	1263.9	1457.9	1501.9
47.5°	4265.8	1797.9	1237.9	1403.9	1435.9
50°	4283.8	1353.9	1187.9	1317.9	1337.9
52.5°	4147.8	1069.9	1107.9	1203.9	1239.9
55°	3843.8	895.9	987.9	1073.9	1073.9
57.5°	3385.8	760.0	830.0	911.9	903.9
60°	2755.8	626.0	662.0	712.0	700.0
62.5°	2167.9	502.0	514.0	568.0	576.0
65°	1575.9	410.0	430.0	484.0	484.0
67.5°	1105.9	350.0	388.0	438.0	442.0
70°	754.0	316.0	370.0	410.0	412.0
72.5°	514.0	292.0	352.0	374.0	368.0
75°	326.0	270.0	332.0	334.0	326.0
77.5°	212.0	246.0	312.0	296.0	290.0
80°	130.0	222.0	286.0	266.0	256.0
82.5°	74.0	198.0	266.0	252.0	242.0
85°	36.0	176.0	248.0	240.0	228.0
87.5°	14.0	156.0	228.0	216.0	204.0
90°	0.0	136.0	206.0	190.0	176.0
92.5°	0.0	120.0	184.0	164.0	152.0
95°	0.0	106.0	164.0	144.0	132.0
97.5°	0.0	94.0	146.0	128.0	114.0
100°	0.0	84.0	132.0	114.0	104.0
102.5°	0.0	74.0	118.0	106.0	100.0
105°	0.0	64.0	108.0	100.0	94.0
107.5°	0.0	56.0	98.0	96.0	92.0
110°	0.0	50.0	92.0	94.0	96.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	44.0	84.0	96.0	98.0
115°	2.0	38.0	78.0	94.0	92.0
117.5°	2.0	32.0	70.0	84.0	80.0
120°	2.0	28.0	64.0	76.0	70.0
122.5°	2.0	24.0	56.0	66.0	62.0
125°	2.0	20.0	50.0	60.0	54.0
127.5°	2.0	18.0	44.0	52.0	48.0
130°	2.0	16.0	38.0	46.0	42.0
132.5°	2.0	12.0	34.0	40.0	34.0
135°	2.0	10.0	28.0	34.0	28.0
137.5°	2.0	8.0	24.0	28.0	24.0
140°	2.0	6.0	20.0	24.0	20.0
142.5°	2.0	6.0	16.0	22.0	16.0
145°	2.0	4.0	14.0	18.0	14.0
147.5°	2.0	4.0	12.0	16.0	12.0
150°	2.0	4.0	10.0	14.0	8.0
152.5°	2.0	2.0	8.0	12.0	6.0
155°	2.0	2.0	6.0	8.0	4.0
157.5°	2.0	2.0	6.0	6.0	4.0
160°	2.0	2.0	6.0	6.0	2.0
162.5°	2.0	2.0	4.0	4.0	0.0
165°	2.0	4.0	4.0	4.0	0.0
167.5°	2.0	4.0	4.0	4.0	0.0
170°	2.0	4.0	4.0	4.0	0.0
172.5°	2.0	4.0	4.0	4.0	0.0
175°	4.0	4.0	4.0	4.0	0.0
177.5°	4.0	4.0	4.0	4.0	0.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)