

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: **4SRL-LD5-27SL-LW-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 (P35653)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-27SL-LW-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

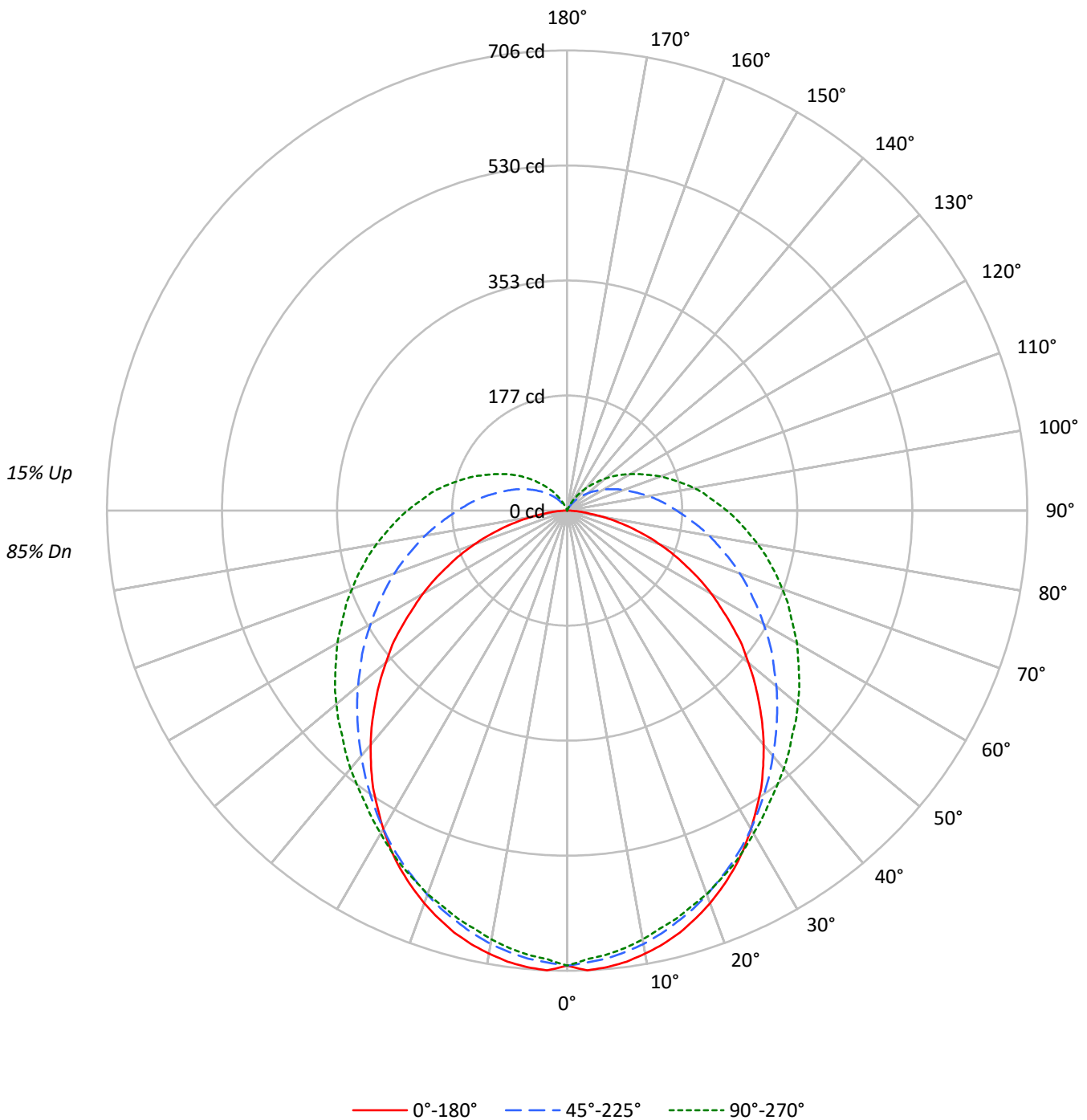
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2685.9 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 20.2
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°	8197	8197	8197
5°	8255	7791	7619
10°	8163	7393	7128
15°	8048	6996	6685
20°	7881	6623	6296
25°	7690	6265	5941
30°	7453	5926	5601
35°	7212	5597	5308
40°	6926	5292	5083
45°	6609	5026	4863
50°	6291	4785	4704
55°	5940	4573	4553
60°	5573	4365	4437
65°	5114	4195	4323
70°	4609	4062	4256
75°	3918	3939	4214
80°	2957	3876	4201
85°	1685	3849	4220



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	2.4
10°-20°	185.4	6.9
20°-30°	276.9	10.3
30°-40°	331.8	12.4
40°-50°	351.0	13.1
50°-60°	338.9	12.6
60°-70°	301.5	11.2
70°-80°	247.9	9.2
80°-90°	189.6	7.1
90°-100°	142.5	5.3
100°-110°	104.0	3.9
110°-120°	71.3	2.7
120°-130°	44.5	1.7
130°-140°	23.7	0.9
140°-150°	9.5	0.4
150°-160°	1.8	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	527.9	19.7
0°-40°	859.7	32.0
0°-60°	1549.7	57.7
0°-90°	2288.5	85.2
90°-120°	317.8	11.8
90°-150°	395.6	14.7
90°-180°	397.0	14.8
0°-180°	2685.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	698	698	698	698	698	
5°	703	699	690	689	684	67
15°	670	663	653	653	648	189
25°	606	600	597	604	601	279
35°	519	517	528	543	543	324
45°	416	428	455	481	488	321
55°	309	337	384	422	434	277
65°	202	248	314	363	378	201
75°	101	167	250	307	324	107
85°	19	103	193	251	270	23
90°	0	79	168	226	245	1
95°	0	61	147	203	220	0
105°	0	38	108	158	174	0
115°	0	23	77	119	131	0
125°	0	14	52	84	94	0
135°	0	7	32	53	59	0
145°	0	2	14	27	31	0
155°	0	0	2	7	7	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	698.1	698.1	698.1	698.1	698.1
2.5°	706.1	702.1	694.1	693.1	689.1
5°	703.1	699.1	690.1	689.1	684.1
7.5°	698.1	693.1	683.1	682.1	677.1
10°	690.1	685.1	675.1	674.1	668.1
12.5°	681.1	676.1	665.1	664.1	657.1
15°	670.1	663.1	653.1	653.1	648.1
17.5°	656.1	650.1	641.1	642.1	636.1
20°	641.1	635.1	627.1	630.1	626.1
22.5°	624.1	617.1	612.1	616.1	613.1
25°	606.1	600.1	597.1	604.1	601.1
27.5°	586.1	580.1	581.1	588.1	587.1
30°	564.1	560.1	564.1	573.1	572.1
32.5°	541.1	539.1	546.1	558.1	558.1
35°	519.1	517.1	528.1	543.1	543.1
37.5°	494.1	495.1	510.1	527.1	530.1
40°	469.1	473.1	491.1	512.1	517.1
42.5°	443.1	450.1	473.1	496.1	503.1
45°	416.1	428.1	455.1	481.1	488.1
47.5°	390.1	405.1	437.1	467.1	476.1
50°	363.0	381.0	419.1	452.1	462.1
52.5°	338.0	359.0	400.1	437.1	449.1
55°	309.0	337.0	384.0	422.1	434.1
57.5°	281.0	314.0	366.0	407.1	420.1
60°	256.0	291.0	348.0	393.1	407.1
62.5°	229.0	269.0	331.0	378.0	392.1
65°	202.0	248.0	314.0	363.0	378.0
67.5°	177.0	226.0	298.0	349.0	366.0
70°	151.0	206.0	282.0	335.0	351.0
72.5°	126.0	186.0	266.0	320.0	338.0
75°	101.0	167.0	250.0	307.0	324.0
77.5°	77.0	149.0	235.0	293.0	311.0
80°	55.0	132.0	221.0	279.0	297.0
82.5°	35.0	116.0	207.0	265.0	283.0
85°	19.0	103.0	193.0	251.0	270.0
87.5°	7.0	89.0	180.0	239.0	258.0
90°	0.0	79.0	168.0	226.0	245.0
92.5°	0.0	69.0	157.0	214.0	232.0
95°	0.0	61.0	147.0	203.0	220.0
97.5°	0.0	54.0	137.0	192.0	210.0
100°	0.0	48.0	127.0	180.0	198.0
102.5°	0.0	42.0	117.0	169.0	186.0
105°	0.0	38.0	108.0	158.0	174.0
107.5°	0.0	34.0	100.0	149.0	163.0
110°	0.0	30.0	92.0	138.0	153.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.0	85.0	129.0	141.0
115°	0.0	23.0	77.0	119.0	131.0
117.5°	0.0	21.0	71.0	110.0	121.0
120°	0.0	18.0	64.0	101.0	112.0
122.5°	0.0	16.0	58.0	92.0	103.0
125°	0.0	14.0	52.0	84.0	94.0
127.5°	0.0	12.0	47.0	76.0	85.0
130°	0.0	10.0	41.0	68.0	76.0
132.5°	0.0	8.0	36.0	60.0	68.0
135°	0.0	7.0	32.0	53.0	59.0
137.5°	0.0	5.0	27.0	46.0	52.0
140°	0.0	4.0	23.0	40.0	44.0
142.5°	0.0	3.0	18.0	33.0	38.0
145°	0.0	2.0	14.0	27.0	31.0
147.5°	0.0	1.0	10.0	22.0	24.0
150°	0.0	1.0	7.0	17.0	18.0
152.5°	0.0	0.0	5.0	12.0	12.0
155°	0.0	0.0	2.0	7.0	7.0
157.5°	1.0	0.0	1.0	3.0	3.0
160°	1.0	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)