

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-LD5-34SL-LW-UNV-L840-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-LD5-34SL-LW-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

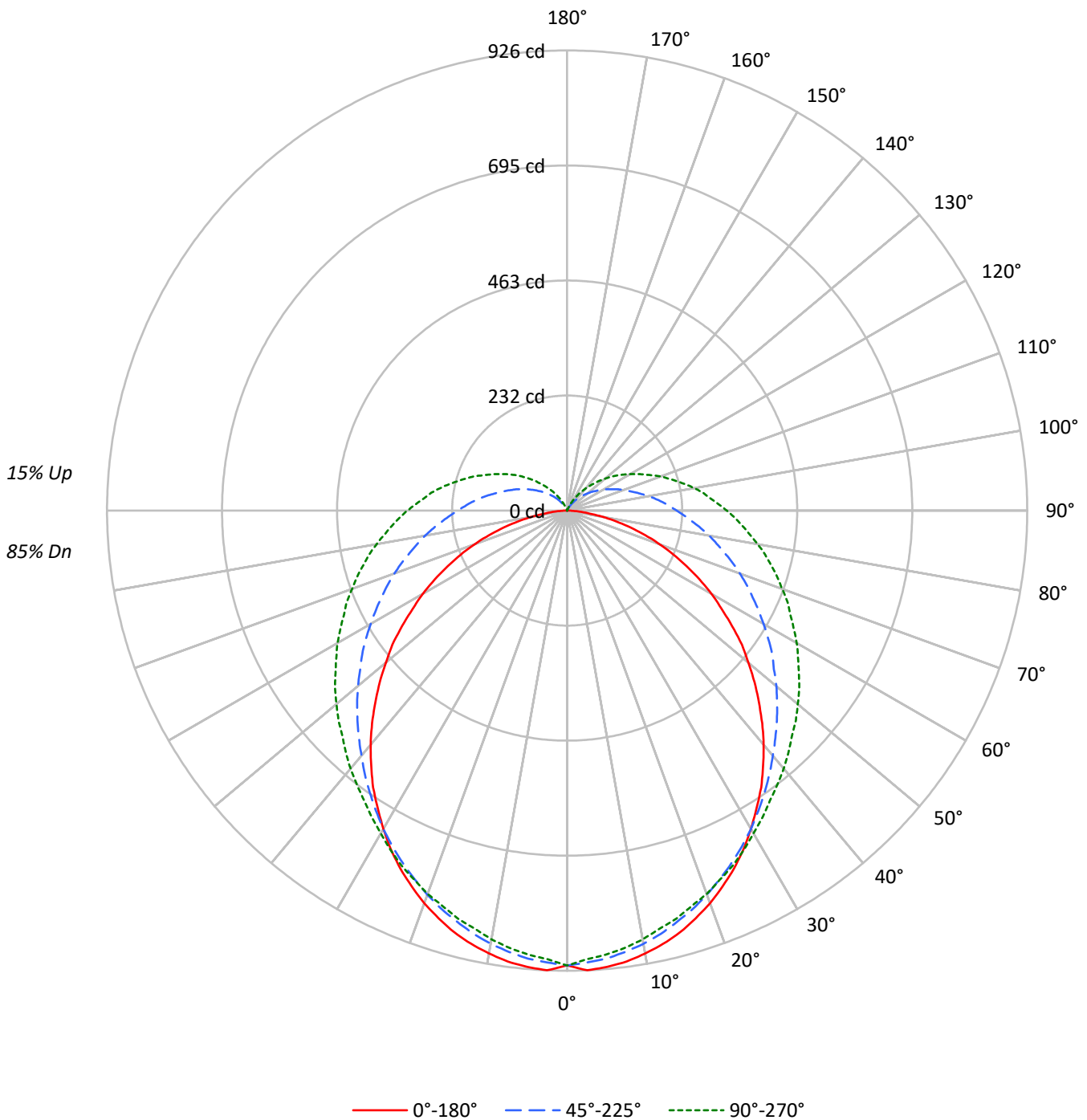
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3522.0 lumens
Efficiency: N/A
Efficacy: 131.4 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): 26.8
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°	10749	10749	10749
5°	10824	10216	9990
10°	10704	9694	9346
15°	10552	9173	8765
20°	10333	8684	8255
25°	10083	8215	7790
30°	9772	7769	7344
35°	9455	7338	6959
40°	9082	6938	6665
45°	8665	6590	6377
50°	8249	6273	6168
55°	7790	5997	5969
60°	7308	5725	5817
65°	6706	5501	5669
70°	6043	5327	5581
75°	5140	5167	5527
80°	3876	5082	5509
85°	2208	5048	5534



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	2.4
10°-20°	243.1	6.9
20°-30°	363.0	10.3
30°-40°	435.0	12.4
40°-50°	460.2	13.1
50°-60°	444.4	12.6
60°-70°	395.4	11.2
70°-80°	325.0	9.2
80°-90°	248.6	7.1
90°-100°	186.9	5.3
100°-110°	136.4	3.9
110°-120°	93.5	2.7
120°-130°	58.3	1.7
130°-140°	31.1	0.9
140°-150°	12.5	0.4
150°-160°	2.4	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	692.2	19.7
0°-40°	1127.2	32.0
0°-60°	2031.9	57.7
0°-90°	3000.9	85.2
90°-120°	416.8	11.8
90°-150°	518.8	14.7
90°-180°	521.0	14.8
0°-180°	3522.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	915	915	915	915	915	
5°	922	917	905	904	897	87
15°	879	870	856	856	850	247
25°	795	787	783	792	788	366
35°	681	678	692	712	712	425
45°	546	561	597	631	640	421
55°	405	442	504	553	569	363
65°	265	325	412	476	496	263
75°	132	219	328	403	425	141
85°	25	135	253	329	354	30
90°	0	104	220	296	321	1
95°	0	80	193	266	288	0
105°	0	50	142	207	228	0
115°	0	30	101	156	172	0
125°	0	18	68	110	123	0
135°	0	9	42	70	77	0
145°	0	3	18	35	41	0
155°	0	0	3	9	9	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	915.4	915.4	915.4	915.4	915.4
2.5°	925.9	920.6	910.1	908.8	903.6
5°	921.9	916.7	904.9	903.6	897.0
7.5°	915.4	908.8	895.7	894.4	887.8
10°	904.9	898.3	885.2	883.9	876.0
12.5°	893.1	886.5	872.1	870.8	861.6
15°	878.6	869.5	856.4	856.4	849.8
17.5°	860.3	852.4	840.6	841.9	834.1
20°	840.6	832.7	822.3	826.2	820.9
22.5°	818.3	809.1	802.6	807.8	803.9
25°	794.7	786.8	782.9	792.1	788.2
27.5°	768.5	760.6	761.9	771.1	769.8
30°	739.6	734.4	739.6	751.4	750.1
32.5°	709.5	706.9	716.0	731.8	731.8
35°	680.6	678.0	692.4	712.1	712.1
37.5°	647.8	649.1	668.8	691.1	695.0
40°	615.1	620.3	643.9	671.4	678.0
42.5°	581.0	590.1	620.3	650.5	659.6
45°	545.5	561.3	596.7	630.8	640.0
47.5°	511.5	531.1	573.1	612.4	624.2
50°	476.0	499.6	549.5	592.8	605.9
52.5°	443.3	470.8	524.6	573.1	588.8
55°	405.2	441.9	503.6	553.4	569.2
57.5°	368.5	411.8	480.0	533.7	550.8
60°	335.7	381.6	456.4	515.4	533.7
62.5°	300.3	352.8	434.1	495.7	514.1
65°	264.9	325.2	411.8	476.0	495.7
67.5°	232.1	296.4	390.8	457.7	480.0
70°	198.0	270.2	369.8	439.3	460.3
72.5°	165.2	243.9	348.8	419.7	443.3
75°	132.5	219.0	327.9	402.6	424.9
77.5°	101.0	195.4	308.2	384.2	407.8
80°	72.1	173.1	289.8	365.9	389.5
82.5°	45.9	152.1	271.5	347.5	371.1
85°	24.9	135.1	253.1	329.2	354.1
87.5°	9.2	116.7	236.1	313.4	338.3
90°	0.0	103.6	220.3	296.4	321.3
92.5°	0.0	90.5	205.9	280.6	304.2
95°	0.0	80.0	192.8	266.2	288.5
97.5°	0.0	70.8	179.7	251.8	275.4
100°	0.0	62.9	166.5	236.1	259.7
102.5°	0.0	55.1	153.4	221.6	243.9
105°	0.0	49.8	141.6	207.2	228.2
107.5°	0.0	44.6	131.1	195.4	213.8
110°	0.0	39.3	120.6	181.0	200.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.4	111.5	169.2	184.9
115°	0.0	30.2	101.0	156.1	171.8
117.5°	0.0	27.5	93.1	144.3	158.7
120°	0.0	23.6	83.9	132.5	146.9
122.5°	0.0	21.0	76.1	120.6	135.1
125°	0.0	18.4	68.2	110.2	123.3
127.5°	0.0	15.7	61.6	99.7	111.5
130°	0.0	13.1	53.8	89.2	99.7
132.5°	0.0	10.5	47.2	78.7	89.2
135°	0.0	9.2	42.0	69.5	77.4
137.5°	0.0	6.6	35.4	60.3	68.2
140°	0.0	5.2	30.2	52.5	57.7
142.5°	0.0	3.9	23.6	43.3	49.8
145°	0.0	2.6	18.4	35.4	40.7
147.5°	0.0	1.3	13.1	28.9	31.5
150°	0.0	1.3	9.2	22.3	23.6
152.5°	0.0	0.0	6.6	15.7	15.7
155°	0.0	0.0	2.6	9.2	9.2
157.5°	1.3	0.0	1.3	3.9	3.9
160°	1.3	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)