

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-LD5-50SL-LW-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 (P35653)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-50SL-LW-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

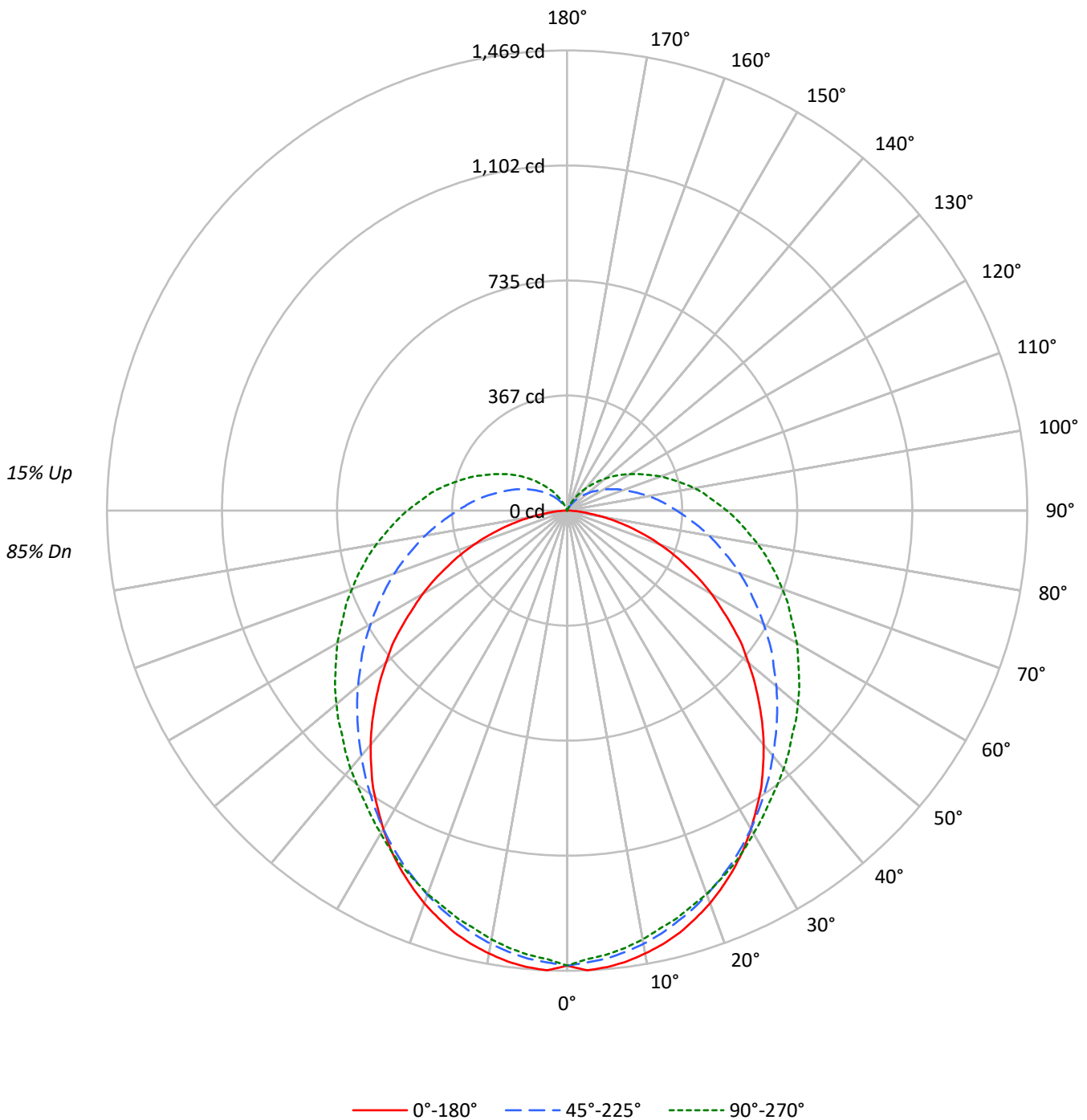
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5588.0 lumens
Efficiency: N/A
Efficacy: 129.7 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): 43.1
Input Voltage (V): NR
Input Current (Ain): 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

TEST NUMBER: P#
CATALOG NUMBER: 4SRL-LD5-50SL-LW-UNV-L850-CD1-U

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°	17054	17054	17054
5°	17173	16209	15851
10°	16983	15381	14829
15°	16744	14554	13907
20°	16395	13777	13098
25°	15998	13034	12360
30°	15505	12328	11653
35°	15003	11643	11041
40°	14408	11008	10574
45°	13749	10456	10117
50°	13089	9953	9786
55°	12359	9515	9470
60°	11597	9083	9229
65°	10641	8727	8994
70°	9590	8452	8854
75°	8150	8197	8768
80°	6150	8064	8741
85°	3502	8009	8781



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	2.4
10°-20°	385.7	6.9
20°-30°	575.9	10.3
30°-40°	690.3	12.4
40°-50°	730.2	13.1
50°-60°	705.1	12.6
60°-70°	627.3	11.2
70°-80°	515.7	9.2
80°-90°	394.4	7.1
90°-100°	296.6	5.3
100°-110°	216.5	3.9
110°-120°	148.3	2.7
120°-130°	92.5	1.7
130°-140°	49.4	0.9
140°-150°	19.8	0.4
150°-160°	3.8	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1098.2	19.7
0°-40°	1788.5	32.0
0°-60°	3223.8	57.7
0°-90°	4761.2	85.2
90°-120°	661.4	11.8
90°-150°	823.1	14.7
90°-180°	827.0	14.8
0°-180°	5588.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1452	1452	1452	1452	1452	
5°	1463	1454	1436	1434	1423	139
15°	1394	1380	1359	1359	1348	393
25°	1261	1248	1242	1257	1250	580
35°	1080	1076	1099	1130	1130	674
45°	866	890	947	1001	1015	668
55°	643	701	799	878	903	576
65°	420	516	653	755	786	418
75°	210	348	520	639	674	223
85°	40	214	402	522	562	48
90°	0	164	350	470	510	2
95°	0	127	306	422	458	0
105°	0	79	225	329	362	0
115°	0	48	160	248	273	0
125°	0	29	108	175	196	0
135°	0	15	67	110	123	0
145°	0	4	29	56	64	0
155°	0	0	4	15	15	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-50SL-LW-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1452.3	1452.3	1452.3	1452.3	1452.3
2.5°	1469.0	1460.6	1444.0	1441.9	1433.6
5°	1462.7	1454.4	1435.7	1433.6	1423.2
7.5°	1452.3	1441.9	1421.1	1419.0	1408.6
10°	1435.7	1425.3	1404.5	1402.4	1389.9
12.5°	1416.9	1406.5	1383.7	1381.6	1367.0
15°	1394.1	1379.5	1358.7	1358.7	1348.3
17.5°	1364.9	1352.4	1333.7	1335.8	1323.3
20°	1333.7	1321.2	1304.6	1310.8	1302.5
22.5°	1298.3	1283.8	1273.4	1281.7	1275.5
25°	1260.9	1248.4	1242.2	1256.7	1250.5
27.5°	1219.3	1206.8	1208.9	1223.4	1221.4
30°	1173.5	1165.2	1173.5	1192.2	1190.2
32.5°	1125.7	1121.5	1136.1	1161.0	1161.0
35°	1079.9	1075.7	1098.6	1129.8	1129.8
37.5°	1027.9	1029.9	1061.1	1096.5	1102.8
40°	975.8	984.2	1021.6	1065.3	1075.7
42.5°	921.7	936.3	984.2	1032.0	1046.6
45°	865.6	890.5	946.7	1000.8	1015.4
47.5°	811.5	842.7	909.3	971.7	990.4
50°	755.3	792.7	871.8	940.5	961.3
52.5°	703.3	747.0	832.3	909.3	934.2
55°	642.9	701.2	799.0	878.0	903.0
57.5°	584.7	653.3	761.5	846.8	873.9
60°	532.7	605.5	724.1	817.7	846.8
62.5°	476.5	559.7	688.7	786.5	815.6
65°	420.3	516.0	653.3	755.3	786.5
67.5°	368.3	470.2	620.0	726.2	761.5
70°	314.2	428.6	586.8	697.0	730.3
72.5°	262.2	387.0	553.5	665.8	703.3
75°	210.1	347.5	520.2	638.8	674.1
77.5°	160.2	310.0	489.0	609.6	647.1
80°	114.4	274.7	459.8	580.5	618.0
82.5°	72.8	241.4	430.7	551.4	588.8
85°	39.5	214.3	401.6	522.3	561.8
87.5°	14.6	185.2	374.5	497.3	536.8
90°	0.0	164.4	349.6	470.2	509.8
92.5°	0.0	143.6	326.7	445.3	482.7
95°	0.0	126.9	305.9	422.4	457.8
97.5°	0.0	112.4	285.1	399.5	436.9
100°	0.0	99.9	264.2	374.5	412.0
102.5°	0.0	87.4	243.4	351.6	387.0
105°	0.0	79.1	224.7	328.7	362.0
107.5°	0.0	70.7	208.1	310.0	339.2
110°	0.0	62.4	191.4	287.1	318.3



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-50SL-LW-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	56.2	176.9	268.4	293.4
115°	0.0	47.9	160.2	247.6	272.6
117.5°	0.0	43.7	147.7	228.9	251.8
120°	0.0	37.5	133.2	210.1	233.0
122.5°	0.0	33.3	120.7	191.4	214.3
125°	0.0	29.1	108.2	174.8	195.6
127.5°	0.0	25.0	97.8	158.1	176.9
130°	0.0	20.8	85.3	141.5	158.1
132.5°	0.0	16.6	74.9	124.8	141.5
135°	0.0	14.6	66.6	110.3	122.8
137.5°	0.0	10.4	56.2	95.7	108.2
140°	0.0	8.3	47.9	83.2	91.6
142.5°	0.0	6.2	37.5	68.7	79.1
145°	0.0	4.2	29.1	56.2	64.5
147.5°	0.0	2.1	20.8	45.8	49.9
150°	0.0	2.1	14.6	35.4	37.5
152.5°	0.0	0.0	10.4	25.0	25.0
155°	0.0	0.0	4.2	14.6	14.6
157.5°	2.1	0.0	2.1	6.2	6.2
160°	2.1	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)