

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-LC-UNV-L830-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: 4SRL-LD5-50SL-LC-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

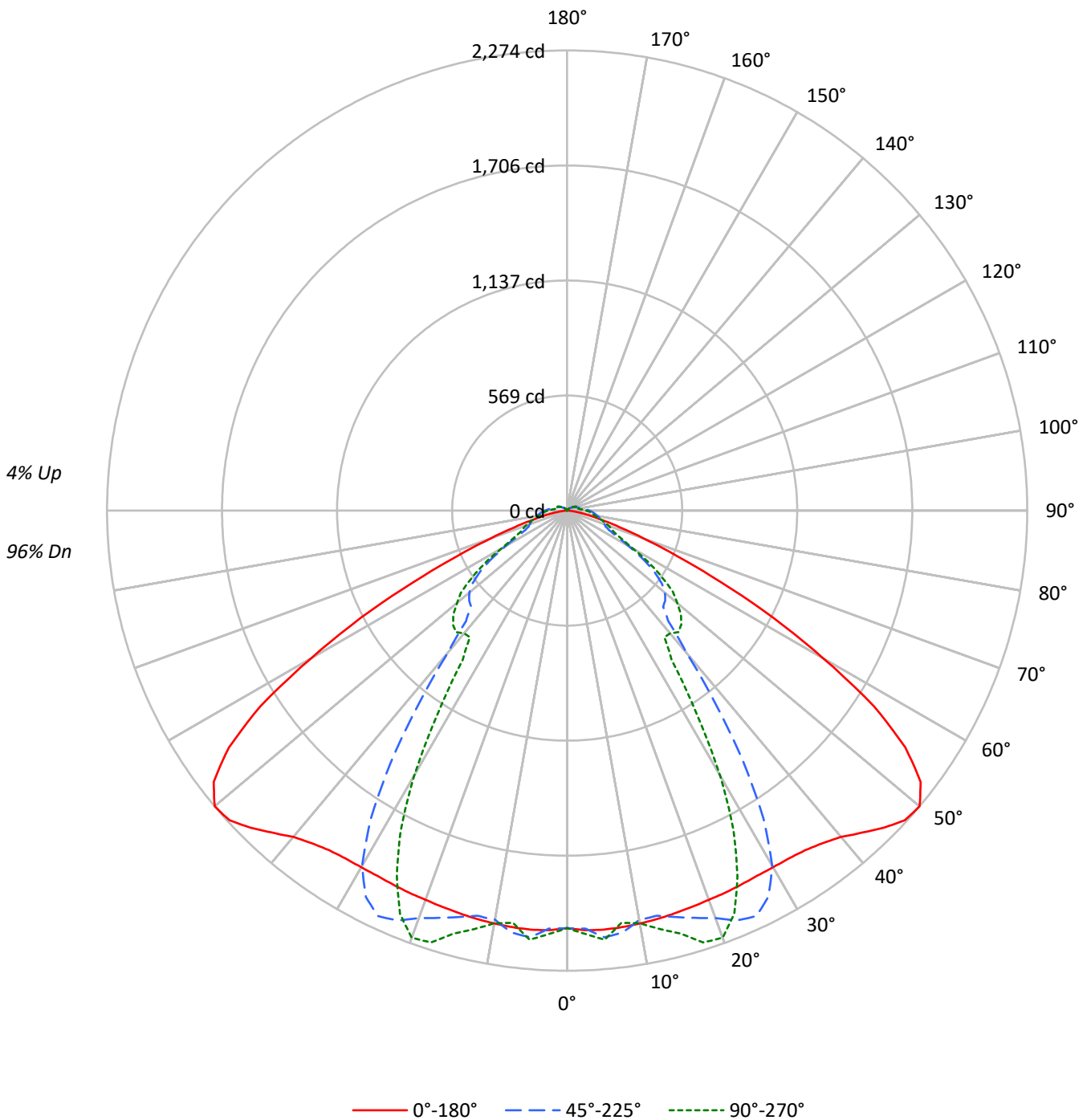
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4977.0 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 36.7
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-LC-UNV-L830-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	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°	24233	24233	24233
5°	24404	23898	23707
10°	24512	22484	22098
15°	24735	22275	22315
20°	25159	22634	22589
25°	25860	23202	19683
30°	26888	21289	14811
35°	28465	16100	8797
40°	31083	9861	7784
45°	35192	7410	7944
50°	39405	7199	7230
55°	39225	6245	5979
60°	31849	4408	4050
65°	21178	3049	2938
70°	12214	2829	2652
75°	6711	2776	2250
80°	3710	2662	1922
85°	1693	2625	1891



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.5	4.0
10°-20°	598.3	12.0
20°-30°	952.3	19.1
30°-40°	970.5	19.5
40°-50°	819.7	16.5
50°-60°	631.8	12.7
60°-70°	326.4	6.6
70°-80°	180.3	3.6
80°-90°	114.8	2.3
90°-100°	70.6	1.4
100°-110°	45.5	0.9
110°-120°	33.0	0.7
120°-130°	19.1	0.4
130°-140°	9.2	0.2
140°-150°	3.9	0.1
150°-160°	1.4	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1750.1	35.2
0°-40°	2720.6	54.7
0°-60°	4172.2	83.8
0°-90°	4793.6	96.3
90°-120°	149.2	3.0
90°-150°	181.4	3.6
90°-180°	183.0	3.7
0°-180°	4977.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2064	2064	2064	2064	2064	
5°	2079	2086	2117	2137	2128	198
15°	2060	2060	2080	2154	2164	583
25°	2038	2052	2211	2103	1992	944
35°	2049	2146	1519	1033	900	1293
45°	2216	1293	671	774	797	1711
55°	2040	476	524	570	570	1767
65°	836	218	228	257	257	863
75°	173	143	176	177	173	208
85°	19	93	132	127	121	26
90°	0	72	109	101	93	1
95°	0	56	87	76	70	0
105°	0	34	57	53	50	0
115°	1	20	41	50	49	1
125°	1	11	26	32	29	1
135°	1	5	15	18	15	1
145°	1	2	7	10	7	1
155°	1	1	3	4	2	1
165°	1	2	2	2	0	0
175°	2	2	2	2	0	0
180°	1	1	1	1	1	



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CATALOG NUMBER: 4SRL-LD5-50SL-LC-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2063.7	2063.7	2063.7	2063.7	2063.7
2.5°	2075.4	2068.0	2068.0	2094.5	2094.5
5°	2078.6	2086.0	2116.8	2137.0	2128.5
7.5°	2076.5	2110.4	2103.0	2073.3	2054.2
10°	2072.2	2123.2	2053.1	2073.3	2071.2
12.5°	2066.9	2104.1	2051.0	2122.1	2117.9
15°	2059.5	2060.5	2079.6	2154.0	2163.5
17.5°	2053.1	2032.9	2110.4	2210.2	2237.8
20°	2046.7	2024.4	2143.3	2258.0	2246.3
22.5°	2043.6	2031.9	2192.2	2221.9	2157.1
25°	2038.2	2052.0	2211.3	2103.0	1991.5
27.5°	2034.0	2075.4	2152.9	1900.2	1781.3
30°	2035.1	2108.3	2026.6	1662.4	1512.8
32.5°	2038.2	2140.2	1806.8	1344.0	1189.0
35°	2048.9	2145.5	1519.1	1032.9	900.2
37.5°	2072.2	2087.1	1206.0	817.4	788.8
40°	2105.1	1910.9	915.1	763.3	791.9
42.5°	2158.2	1614.7	739.9	771.8	814.2
45°	2215.5	1293.0	670.9	773.9	797.3
47.5°	2264.4	954.4	657.1	745.2	762.2
50°	2273.9	718.7	630.6	699.6	710.2
52.5°	2201.7	567.9	588.1	639.1	658.2
55°	2040.4	475.6	524.4	570.1	570.1
57.5°	1797.3	403.4	440.6	484.1	479.8
60°	1462.9	332.3	351.4	377.9	371.6
62.5°	1150.8	266.5	272.8	301.5	305.7
65°	836.5	217.6	228.2	256.9	256.9
67.5°	587.1	185.8	205.9	232.5	234.6
70°	400.2	167.7	196.4	217.6	218.7
72.5°	272.8	155.0	186.8	198.5	195.3
75°	173.0	143.3	176.2	177.3	173.0
77.5°	112.5	130.6	165.6	157.1	153.9
80°	69.0	117.8	151.8	141.2	135.9
82.5°	39.3	105.1	141.2	133.8	128.5
85°	19.1	93.4	131.6	127.4	121.0
87.5°	7.4	82.8	121.0	114.7	108.3
90°	0.0	72.2	109.3	100.9	93.4
92.5°	0.0	63.7	97.7	87.0	80.7
95°	0.0	56.3	87.0	76.4	70.1
97.5°	0.0	49.9	77.5	67.9	60.5
100°	0.0	44.6	70.1	60.5	55.2
102.5°	0.0	39.3	62.6	56.3	53.1
105°	0.0	34.0	57.3	53.1	49.9
107.5°	0.0	29.7	52.0	51.0	48.8
110°	0.0	26.5	48.8	49.9	51.0



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-50SL-LC-UNV-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.4	44.6	51.0	52.0
115°	1.1	20.2	41.4	49.9	48.8
117.5°	1.1	17.0	37.2	44.6	42.5
120°	1.1	14.9	34.0	40.3	37.2
122.5°	1.1	12.7	29.7	35.0	32.9
125°	1.1	10.6	26.5	31.8	28.7
127.5°	1.1	9.6	23.4	27.6	25.5
130°	1.1	8.5	20.2	24.4	22.3
132.5°	1.1	6.4	18.0	21.2	18.0
135°	1.1	5.3	14.9	18.0	14.9
137.5°	1.1	4.2	12.7	14.9	12.7
140°	1.1	3.2	10.6	12.7	10.6
142.5°	1.1	3.2	8.5	11.7	8.5
145°	1.1	2.1	7.4	9.6	7.4
147.5°	1.1	2.1	6.4	8.5	6.4
150°	1.1	2.1	5.3	7.4	4.2
152.5°	1.1	1.1	4.2	6.4	3.2
155°	1.1	1.1	3.2	4.2	2.1
157.5°	1.1	1.1	3.2	3.2	2.1
160°	1.1	1.1	3.2	3.2	1.1
162.5°	1.1	1.1	2.1	2.1	0.0
165°	1.1	2.1	2.1	2.1	0.0
167.5°	1.1	2.1	2.1	2.1	0.0
170°	1.1	2.1	2.1	2.1	0.0
172.5°	1.1	2.1	2.1	2.1	0.0
175°	2.1	2.1	2.1	2.1	0.0
177.5°	2.1	2.1	2.1	2.1	0.0
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)