

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-LD5-74SL-LW-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 (P35653)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-74SL-LW-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

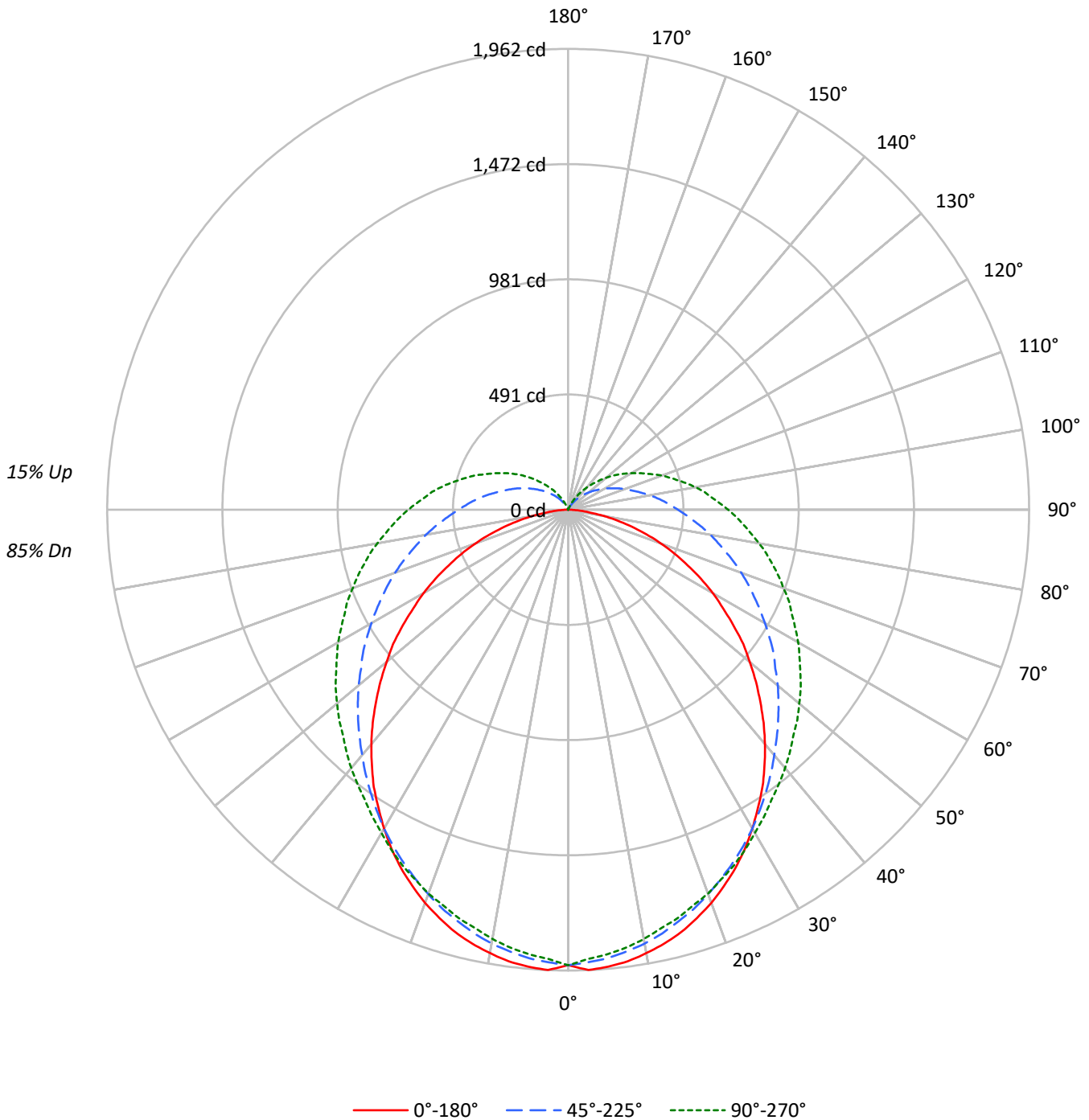
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7462.0 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 59.2
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	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°	11387	11387	11387
5°	11489	10837	10584
10°	11384	10296	9901
15°	11247	9754	9285
20°	11036	9244	8745
25°	10794	8755	8252
30°	10487	8291	7780
35°	10174	7839	7372
40°	9800	7420	7060
45°	9384	7057	6755
50°	8970	6726	6534
55°	8511	6438	6323
60°	8036	6156	6162
65°	7435	5925	6005
70°	6778	5749	5912
75°	5868	5589	5854
80°	4576	5514	5836
85°	2823	5496	5863



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.4	2.4
10°-20°	515.0	6.9
20°-30°	769.1	10.3
30°-40°	921.7	12.4
40°-50°	975.1	13.1
50°-60°	941.6	12.6
60°-70°	837.6	11.2
70°-80°	688.7	9.2
80°-90°	526.7	7.1
90°-100°	396.1	5.3
100°-110°	289.1	3.9
110°-120°	198.0	2.7
120°-130°	123.6	1.7
130°-140°	65.9	0.9
140°-150°	26.4	0.4
150°-160°	5.0	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1466.5	19.7
0°-40°	2388.3	32.0
0°-60°	4304.9	57.7
0°-90°	6357.9	85.2
90°-120°	883.1	11.8
90°-150°	1099.0	14.7
90°-180°	1104.0	14.8
0°-180°	7462.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1939	1939	1939	1939	1939	
5°	1953	1942	1917	1914	1900	185
15°	1862	1842	1814	1814	1800	524
25°	1684	1667	1659	1678	1670	775
35°	1442	1436	1467	1509	1509	900
45°	1156	1189	1264	1336	1356	893
55°	858	936	1067	1172	1206	769
65°	561	689	872	1009	1050	558
75°	281	464	695	853	900	298
85°	53	286	536	697	750	64
90°	0	220	467	628	681	3
95°	0	170	408	564	611	0
105°	0	106	300	439	484	0
115°	0	64	214	331	364	0
125°	0	39	144	233	261	0
135°	0	19	89	147	164	0
145°	0	6	39	75	86	0
155°	0	0	6	19	19	1
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°	1939.4	1939.4	1939.4	1939.4	1939.4
2.5°	1961.6	1950.5	1928.3	1925.5	1914.4
5°	1953.3	1942.1	1917.1	1914.4	1900.5
7.5°	1939.4	1925.5	1897.7	1894.9	1881.0
10°	1917.1	1903.2	1875.5	1872.7	1856.0
12.5°	1892.1	1878.2	1847.7	1844.9	1825.5
15°	1861.6	1842.1	1814.3	1814.3	1800.4
17.5°	1822.7	1806.0	1781.0	1783.8	1767.1
20°	1781.0	1764.3	1742.1	1750.4	1739.3
22.5°	1733.8	1714.3	1700.4	1711.5	1703.2
25°	1683.8	1667.1	1658.7	1678.2	1669.9
27.5°	1628.2	1611.5	1614.3	1633.7	1631.0
30°	1567.1	1555.9	1567.1	1592.1	1589.3
32.5°	1503.2	1497.6	1517.0	1550.4	1550.4
35°	1442.0	1436.5	1467.0	1508.7	1508.7
37.5°	1372.6	1375.3	1417.0	1464.3	1472.6
40°	1303.1	1314.2	1364.2	1422.6	1436.5
42.5°	1230.9	1250.3	1314.2	1378.1	1397.6
45°	1155.8	1189.2	1264.2	1336.4	1355.9
47.5°	1083.6	1125.3	1214.2	1297.5	1322.6
50°	1008.6	1058.6	1164.2	1255.9	1283.7
52.5°	939.1	997.5	1111.4	1214.2	1247.5
55°	858.5	936.3	1066.9	1172.5	1205.9
57.5°	780.7	872.4	1016.9	1130.8	1167.0
60°	711.3	808.5	966.9	1091.9	1130.8
62.5°	636.3	747.4	919.7	1050.3	1089.2
65°	561.3	689.1	872.4	1008.6	1050.3
67.5°	491.8	627.9	828.0	969.7	1016.9
70°	419.5	572.4	783.5	930.8	975.2
72.5°	350.1	516.8	739.1	889.1	939.1
75°	280.6	464.0	694.6	853.0	900.2
77.5°	213.9	414.0	652.9	814.1	864.1
80°	152.8	366.8	614.0	775.2	825.2
82.5°	97.2	322.3	575.1	736.3	786.3
85°	52.8	286.2	536.2	697.4	750.2
87.5°	19.4	247.3	500.1	664.1	716.8
90°	0.0	219.5	466.8	627.9	680.7
92.5°	0.0	191.7	436.2	594.6	644.6
95°	0.0	169.5	408.4	564.0	611.3
97.5°	0.0	150.0	380.6	533.5	583.5
100°	0.0	133.4	352.9	500.1	550.1
102.5°	0.0	116.7	325.1	469.6	516.8
105°	0.0	105.6	300.1	439.0	483.5
107.5°	0.0	94.5	277.8	414.0	452.9
110°	0.0	83.4	255.6	383.4	425.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	75.0	236.2	358.4	391.8
115°	0.0	63.9	213.9	330.6	364.0
117.5°	0.0	58.3	197.3	305.6	336.2
120°	0.0	50.0	177.8	280.6	311.2
122.5°	0.0	44.5	161.2	255.6	286.2
125°	0.0	38.9	144.5	233.4	261.2
127.5°	0.0	33.3	130.6	211.2	236.2
130°	0.0	27.8	113.9	188.9	211.2
132.5°	0.0	22.2	100.0	166.7	188.9
135°	0.0	19.4	88.9	147.3	163.9
137.5°	0.0	13.9	75.0	127.8	144.5
140°	0.0	11.1	63.9	111.1	122.3
142.5°	0.0	8.3	50.0	91.7	105.6
145°	0.0	5.6	38.9	75.0	86.1
147.5°	0.0	2.8	27.8	61.1	66.7
150°	0.0	2.8	19.4	47.2	50.0
152.5°	0.0	0.0	13.9	33.3	33.3
155°	0.0	0.0	5.6	19.4	19.4
157.5°	2.8	0.0	2.8	8.3	8.3
160°	2.8	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)