

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-LD5-61SL-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: 8SRL-LD5-61SL-LW-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

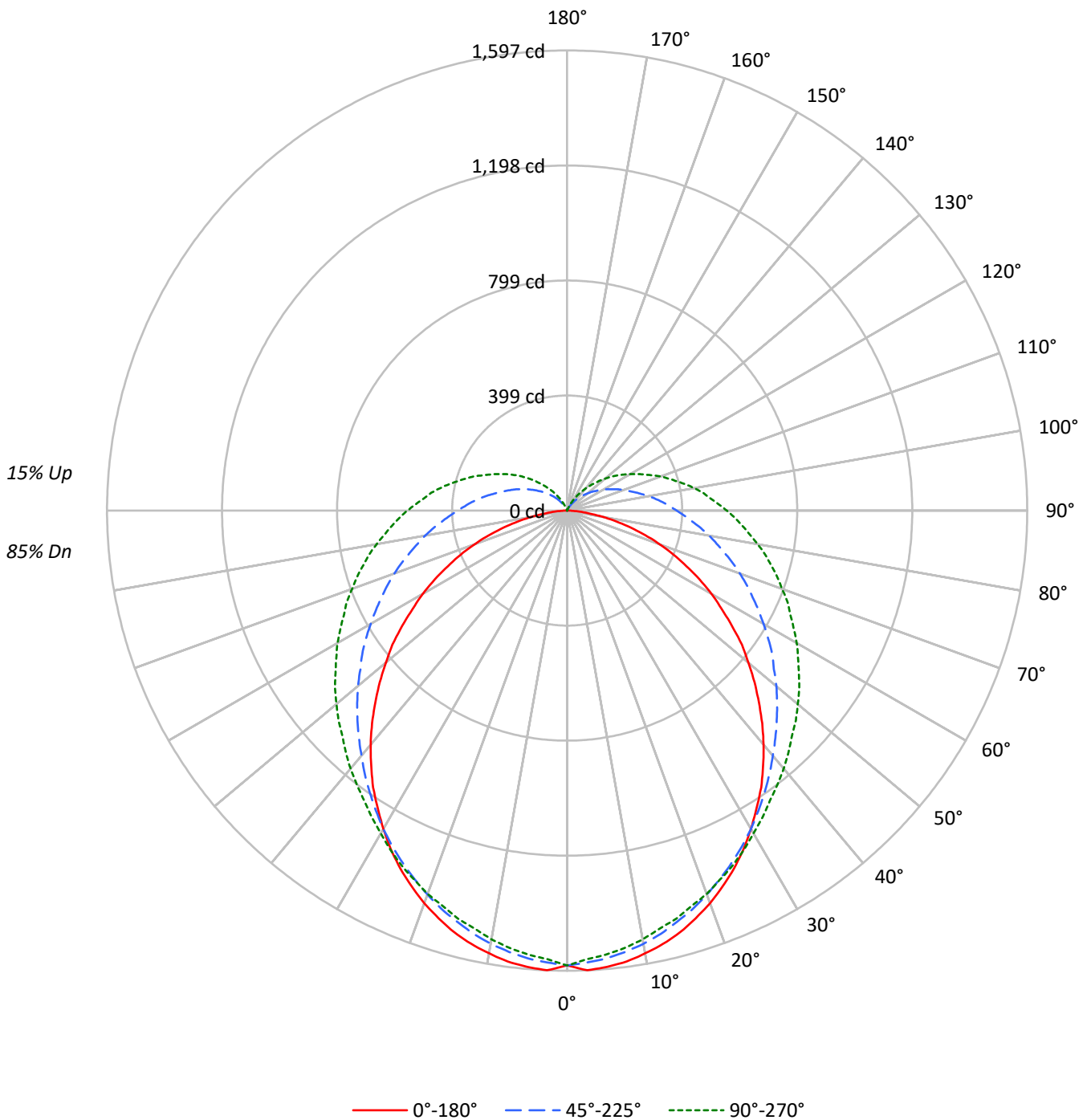
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6074.0 lumens
Efficiency: N/A
Efficacy: 131.5 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): 46.2
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

TEST NUMBER: P#
CATALOG NUMBER: 8SRL-LD5-61SL-LW-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-61SL-LW-UNV-L835-CD1-U

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	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°	9268	9268	9268
5°	9352	8821	8615
10°	9266	8381	8060
15°	9155	7940	7558
20°	8983	7525	7119
25°	8786	7127	6717
30°	8536	6749	6333
35°	8281	6381	6001
40°	7977	6040	5747
45°	7638	5744	5498
50°	7301	5475	5318
55°	6928	5241	5147
60°	6541	5011	5016
65°	6052	4824	4888
70°	5518	4680	4812
75°	4776	4549	4766
80°	3726	4489	4750
85°	2299	4474	4772



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-61SL-LW-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.5	2.4
10°-20°	419.2	6.9
20°-30°	626.0	10.3
30°-40°	750.3	12.4
40°-50°	793.7	13.1
50°-60°	766.5	12.6
60°-70°	681.8	11.2
70°-80°	560.6	9.2
80°-90°	428.7	7.1
90°-100°	322.4	5.3
100°-110°	235.3	3.9
110°-120°	161.2	2.7
120°-130°	100.6	1.7
130°-140°	53.7	0.9
140°-150°	21.5	0.4
150°-160°	4.1	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1193.7	19.7
0°-40°	1944.0	32.0
0°-60°	3504.2	57.7
0°-90°	5175.3	85.2
90°-120°	718.9	11.8
90°-150°	894.6	14.7
90°-180°	899.0	14.8
0°-180°	6074.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1579	1579	1579	1579	1579	
5°	1590	1581	1560	1558	1547	151
15°	1515	1500	1477	1477	1466	427
25°	1371	1357	1350	1366	1359	631
35°	1174	1169	1194	1228	1228	733
45°	941	968	1029	1088	1104	727
55°	699	762	868	954	982	626
65°	457	561	710	821	855	454
75°	228	378	565	694	733	243
85°	43	233	436	568	611	52
90°	0	179	380	511	554	2
95°	0	138	332	459	498	0
105°	0	86	244	357	394	0
115°	0	52	174	269	296	0
125°	0	32	118	190	213	0
135°	0	16	72	120	133	0
145°	0	4	32	61	70	0
155°	0	0	4	16	16	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: 8SRL-LD5-61SL-LW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1578.6	1578.6	1578.6	1578.6	1578.6
2.5°	1596.7	1587.7	1569.6	1567.3	1558.3
5°	1589.9	1580.9	1560.5	1558.3	1547.0
7.5°	1578.6	1567.3	1544.7	1542.4	1531.1
10°	1560.5	1549.2	1526.6	1524.3	1510.8
12.5°	1540.2	1528.9	1504.0	1501.7	1485.9
15°	1515.3	1499.5	1476.9	1476.9	1465.5
17.5°	1483.6	1470.1	1449.7	1452.0	1438.4
20°	1449.7	1436.1	1418.1	1424.8	1415.8
22.5°	1411.3	1395.4	1384.1	1393.2	1386.4
25°	1370.6	1357.0	1350.2	1366.0	1359.2
27.5°	1325.3	1311.8	1314.0	1329.8	1327.6
30°	1275.6	1266.5	1275.6	1295.9	1293.7
32.5°	1223.6	1219.0	1234.9	1262.0	1262.0
35°	1173.8	1169.3	1194.1	1228.1	1228.1
37.5°	1117.3	1119.5	1153.4	1191.9	1198.7
40°	1060.7	1069.8	1110.5	1158.0	1169.3
42.5°	1001.9	1017.7	1069.8	1121.8	1137.6
45°	940.8	968.0	1029.0	1087.9	1103.7
47.5°	882.0	916.0	988.3	1056.2	1076.5
50°	821.0	861.7	947.6	1022.3	1044.9
52.5°	764.4	811.9	904.7	988.3	1015.5
55°	698.8	762.2	868.5	954.4	981.6
57.5°	635.5	710.2	827.8	920.5	949.9
60°	579.0	658.1	787.1	888.8	920.5
62.5°	517.9	608.4	748.6	854.9	886.6
65°	456.9	560.9	710.2	821.0	854.9
67.5°	400.3	511.1	674.0	789.3	827.8
70°	341.5	465.9	637.8	757.7	793.8
72.5°	285.0	420.7	601.6	723.7	764.4
75°	228.4	377.7	565.4	694.3	732.8
77.5°	174.1	337.0	531.5	662.7	703.4
80°	124.4	298.5	499.8	631.0	671.7
82.5°	79.2	262.4	468.2	599.3	640.0
85°	43.0	232.9	436.5	567.7	610.6
87.5°	15.8	201.3	407.1	540.5	583.5
90°	0.0	178.7	380.0	511.1	554.1
92.5°	0.0	156.1	355.1	484.0	524.7
95°	0.0	138.0	332.5	459.1	497.6
97.5°	0.0	122.1	309.8	434.2	474.9
100°	0.0	108.6	287.2	407.1	447.8
102.5°	0.0	95.0	264.6	382.2	420.7
105°	0.0	85.9	244.3	357.3	393.5
107.5°	0.0	76.9	226.2	337.0	368.6
110°	0.0	67.8	208.1	312.1	346.0



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-61SL-LW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	61.1	192.2	291.8	318.9
115°	0.0	52.0	174.1	269.1	296.3
117.5°	0.0	47.5	160.6	248.8	273.7
120°	0.0	40.7	144.7	228.4	253.3
122.5°	0.0	36.2	131.2	208.1	232.9
125°	0.0	31.7	117.6	190.0	212.6
127.5°	0.0	27.1	106.3	171.9	192.2
130°	0.0	22.6	92.7	153.8	171.9
132.5°	0.0	18.1	81.4	135.7	153.8
135°	0.0	15.8	72.4	119.9	133.4
137.5°	0.0	11.3	61.1	104.0	117.6
140°	0.0	9.0	52.0	90.5	99.5
142.5°	0.0	6.8	40.7	74.6	85.9
145°	0.0	4.5	31.7	61.1	70.1
147.5°	0.0	2.3	22.6	49.8	54.3
150°	0.0	2.3	15.8	38.4	40.7
152.5°	0.0	0.0	11.3	27.1	27.1
155°	0.0	0.0	4.5	15.8	15.8
157.5°	2.3	0.0	2.3	6.8	6.8
160°	2.3	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)