

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: P290029

Luminaire Tested: **4SSRK-RB-80-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-RB-80-L935-CD1-U
Description: 8000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6812.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

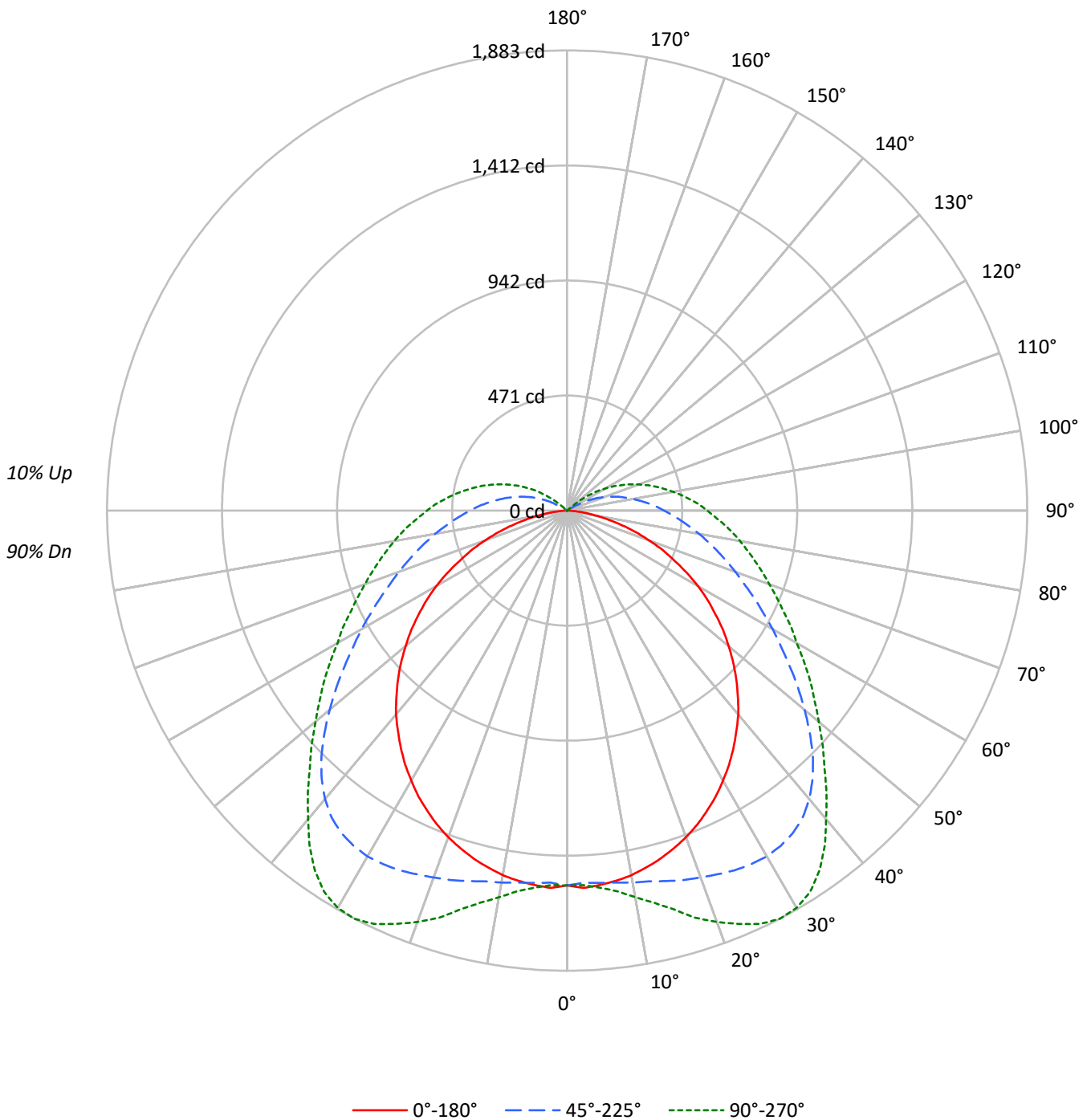
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P290029

CATALOG NUMBER: 4SSRK-RB-80-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P290029

CATALOG NUMBER: 4SSRK-RB-80-L935-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	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	98	93	88	100	95	90	86	89	85	81	83	80	77	78	75	73	70
2	94	84	77	70	90	82	74	68	76	70	65	71	67	62	67	63	59	57
3	85	73	64	57	81	71	63	56	66	60	54	62	56	52	58	54	49	47
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	46	42	39
5	71	57	48	41	68	56	47	40	52	45	39	49	43	37	46	41	36	34
6	65	51	42	35	63	50	41	35	47	39	34	44	38	32	42	36	31	29
7	60	46	37	31	58	45	36	30	43	35	29	40	34	29	38	32	28	25
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	25	22
9	52	38	30	24	50	37	29	24	36	28	23	34	27	23	32	26	22	20
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	30	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	99064	99064	99064
5°	99346	79298	74379
10°	98621	67392	61784
15°	97492	59426	54514
20°	96298	53815	50138
25°	94695	49611	46428
30°	92877	45980	42308
35°	90870	42314	37319
40°	88750	38243	31907
45°	85901	33675	27205
50°	82549	28934	23414
55°	78833	24653	20354
60°	74536	21088	17670
65°	67896	18060	15578
70°	60741	15630	13867
75°	50489	13587	12462
80°	36792	11838	11284
85°	18673	10290	10206



TEST NUMBER: P290029

CATALOG NUMBER: 4SSRK-RB-80-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	2.2
10°-20°	448.7	6.6
20°-30°	747.0	11.0
30°-40°	966.1	14.2
40°-50°	1020.4	15.0
50°-60°	940.8	13.8
60°-70°	790.6	11.6
70°-80°	619.5	9.1
80°-90°	455.7	6.7
90°-100°	324.8	4.8
100°-110°	208.6	3.1
110°-120°	109.5	1.6
120°-130°	31.8	0.5
130°-140°	0.8	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1343.3	19.7
0°-40°	2309.4	33.9
0°-60°	4270.7	62.7
0°-90°	6136.5	90.1
90°-120°	642.9	9.4
90°-150°	675.4	9.9
90°-180°	675.0	9.9
0°-180°	6812.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1534	1534	1534	1534	1534	
5°	1538	1537	1529	1549	1549	146
15°	1474	1503	1569	1663	1689	416
25°	1355	1431	1624	1810	1867	624
35°	1186	1318	1611	1775	1799	742
45°	980	1154	1422	1484	1489	755
55°	742	922	1113	1189	1213	664
65°	484	662	842	946	976	482
75°	234	431	635	756	796	249
85°	37	252	468	600	644	49
90°	1	185	396	531	573	2
95°	2	134	334	466	507	2
105°	2	44	217	338	378	3
115°	2	2	104	210	246	2
125°	2	1	0	75	112	1
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P290029

CATALOG NUMBER: 4SSRK-RB-80-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1533.9	1533.9	1533.9	1533.9	1533.9
2.5°	1545.5	1538.9	1524.0	1537.2	1533.9
5°	1538.0	1537.2	1529.0	1548.8	1548.8
7.5°	1528.1	1531.4	1535.6	1568.6	1571.1
10°	1514.9	1524.8	1545.5	1595.9	1606.6
12.5°	1495.9	1514.1	1553.7	1626.4	1643.8
15°	1474.4	1503.4	1569.4	1662.8	1689.2
17.5°	1449.7	1487.7	1585.1	1707.4	1747.0
20°	1422.4	1472.0	1597.5	1747.9	1791.6
22.5°	1391.0	1453.0	1610.7	1780.9	1830.5
25°	1354.7	1430.7	1624.0	1809.8	1866.8
27.5°	1318.3	1407.5	1631.4	1828.0	1883.3
30°	1275.4	1381.9	1633.9	1830.5	1877.5
32.5°	1233.2	1353.8	1626.4	1813.1	1850.3
35°	1186.2	1318.3	1610.7	1775.1	1799.1
37.5°	1137.4	1280.3	1583.5	1716.5	1731.3
40°	1089.5	1244.8	1541.4	1642.1	1648.7
42.5°	1034.2	1199.4	1486.8	1563.7	1570.3
45°	979.7	1153.9	1422.4	1483.5	1489.3
47.5°	921.8	1101.9	1346.4	1403.4	1417.5
50°	862.4	1044.9	1268.8	1329.1	1343.9
52.5°	804.5	986.3	1190.3	1258.9	1276.2
55°	741.8	921.8	1112.6	1188.6	1213.4
57.5°	681.5	858.2	1037.5	1121.7	1149.0
60°	618.7	793.0	971.4	1059.8	1084.6
62.5°	552.6	726.9	903.7	1002.8	1034.2
65°	484.0	662.5	842.5	945.8	976.4
67.5°	423.7	600.5	783.9	892.9	927.6
70°	358.5	541.0	732.7	845.8	880.5
72.5°	294.9	485.7	681.5	800.4	837.6
75°	233.8	431.2	635.2	755.8	795.5
77.5°	174.3	380.8	589.8	715.3	755.0
80°	122.3	334.5	547.7	676.5	718.6
82.5°	76.0	293.2	506.4	638.5	681.5
85°	37.2	251.9	467.5	600.5	643.5
87.5°	10.7	215.6	431.2	564.2	606.3
90°	0.8	185.0	396.5	531.1	573.3
92.5°	1.7	157.8	366.8	498.1	542.7
95°	2.5	133.8	333.7	465.9	507.2
97.5°	2.5	110.7	303.1	433.7	474.1
100°	2.5	88.4	273.4	399.8	441.1
102.5°	2.5	66.9	244.5	368.4	408.1
105°	2.5	43.8	217.2	337.8	377.5
107.5°	2.5	19.0	188.3	304.8	344.5
110°	2.5	4.1	160.2	274.2	313.1



TEST NUMBER: P290029

CATALOG NUMBER: 4SSRK-RB-80-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	2.5	133.8	242.0	280.8
115°	1.7	2.5	104.1	209.8	246.2
117.5°	1.7	1.7	71.0	178.4	215.6
120°	1.7	1.7	37.2	147.0	180.9
122.5°	1.7	0.8	7.4	112.3	149.5
125°	1.7	0.8	0.0	75.2	111.5
127.5°	1.7	0.8	0.0	38.8	76.0
130°	0.8	0.8	0.0	5.8	36.3
132.5°	0.8	0.8	0.0	0.0	1.7
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	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)