

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: P290021

Luminaire Tested: **4SSRK-RB-60-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290021
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-60-L935-CD1-U
Description: 6000 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: 5102.0 lumens
Efficiency: N/A
Efficacy: 113.9 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

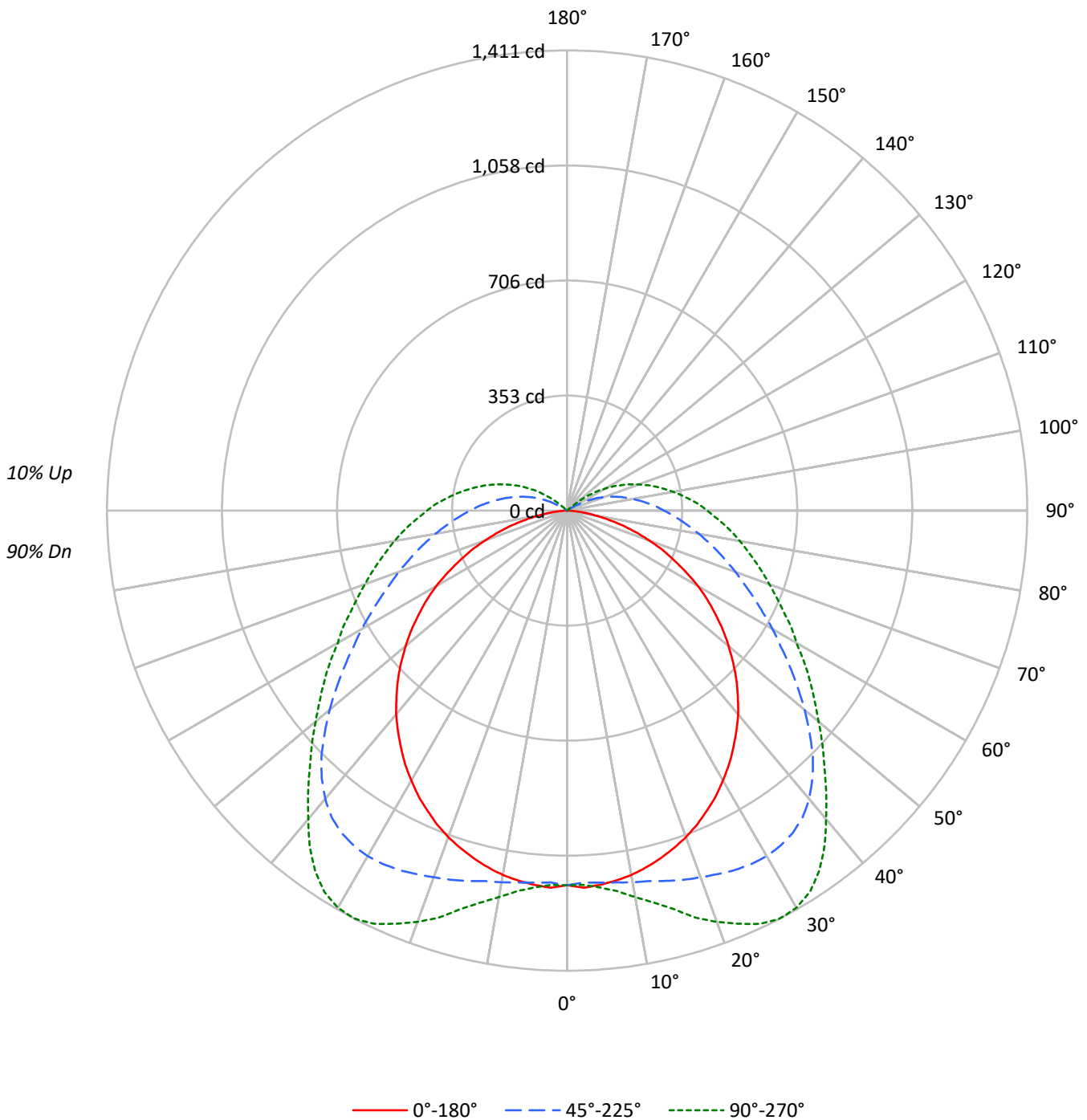
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	74199	74199	74199
5°	74413	59393	55707
10°	73864	50473	46274
15°	73020	44511	40831
20°	72122	40307	37553
25°	70922	37156	34774
30°	69560	34436	31687
35°	68057	31693	27952
40°	66471	28641	23898
45°	64331	25221	20377
50°	61826	21671	17537
55°	59045	18465	15244
60°	55827	15795	13234
65°	50852	13527	11668
70°	45492	11707	10386
75°	37813	10177	9334
80°	27556	8866	8451
85°	13954	7708	7643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.5	2.2
10°-20°	336.1	6.6
20°-30°	559.5	11.0
30°-40°	723.6	14.2
40°-50°	764.3	15.0
50°-60°	704.7	13.8
60°-70°	592.2	11.6
70°-80°	464.0	9.1
80°-90°	341.3	6.7
90°-100°	243.2	4.8
100°-110°	156.2	3.1
110°-120°	82.0	1.6
120°-130°	23.8	0.5
130°-140°	0.6	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°	1006.1	19.7
0°-40°	1729.7	33.9
0°-60°	3198.6	62.7
0°-90°	4596.1	90.1
90°-120°	481.5	9.4
90°-150°	505.9	9.9
90°-180°	506.0	9.9
0°-180°	5102.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1149	1149	1149	1149	1149	
5°	1152	1151	1145	1160	1160	109
15°	1104	1126	1176	1245	1265	312
25°	1015	1072	1216	1356	1398	468
35°	888	987	1206	1330	1348	556
45°	734	864	1065	1111	1116	565
55°	556	690	833	890	909	497
65°	362	496	631	708	731	361
75°	175	323	476	566	596	186
85°	28	189	350	450	482	37
90°	1	139	297	398	429	1
95°	2	100	250	349	380	1
105°	2	33	163	253	283	2
115°	1	2	78	157	184	1
125°	1	1	0	56	84	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1148.9	1148.9	1148.9	1148.9	1148.9
2.5°	1157.5	1152.6	1141.4	1151.3	1148.9
5°	1152.0	1151.3	1145.2	1160.0	1160.0
7.5°	1144.5	1147.0	1150.1	1174.8	1176.7
10°	1134.6	1142.1	1157.5	1195.3	1203.3
12.5°	1120.4	1134.0	1163.7	1218.2	1231.1
15°	1104.3	1126.0	1175.5	1245.4	1265.2
17.5°	1085.8	1114.2	1187.2	1278.8	1308.5
20°	1065.3	1102.5	1196.5	1309.1	1341.9
22.5°	1041.8	1088.2	1206.4	1333.8	1371.0
25°	1014.6	1071.5	1216.3	1355.5	1398.2
27.5°	987.4	1054.2	1221.9	1369.1	1410.6
30°	955.2	1035.0	1223.7	1371.0	1406.2
32.5°	923.7	1014.0	1218.2	1358.0	1385.8
35°	888.4	987.4	1206.4	1329.5	1347.5
37.5°	851.9	958.9	1186.0	1285.6	1296.7
40°	816.0	932.3	1154.4	1229.9	1234.9
42.5°	774.6	898.3	1113.6	1171.1	1176.1
45°	733.7	864.3	1065.3	1111.1	1115.5
47.5°	690.4	825.3	1008.4	1051.1	1061.6
50°	645.9	782.6	950.3	995.4	1006.6
52.5°	602.6	738.7	891.5	942.8	955.8
55°	555.6	690.4	833.3	890.3	908.8
57.5°	510.4	642.8	777.0	840.2	860.6
60°	463.4	593.9	727.6	793.8	812.3
62.5°	413.9	544.4	676.8	751.1	774.6
65°	362.5	496.2	631.0	708.4	731.3
67.5°	317.4	449.8	587.1	668.8	694.8
70°	268.5	405.2	548.8	633.5	659.5
72.5°	220.9	363.8	510.4	599.5	627.3
75°	175.1	322.9	475.8	566.1	595.8
77.5°	130.5	285.2	441.7	535.8	565.5
80°	91.6	250.6	410.2	506.7	538.2
82.5°	56.9	219.6	379.2	478.2	510.4
85°	27.8	188.7	350.2	449.8	481.9
87.5°	8.0	161.5	322.9	422.5	454.1
90°	0.6	138.6	297.0	397.8	429.4
92.5°	1.2	118.2	274.7	373.1	406.5
95°	1.9	100.2	249.9	348.9	379.9
97.5°	1.9	82.9	227.1	324.8	355.1
100°	1.9	66.2	204.8	299.4	330.4
102.5°	1.9	50.1	183.1	275.9	305.6
105°	1.9	32.8	162.7	253.0	282.7
107.5°	1.9	14.2	141.1	228.3	258.0
110°	1.9	3.1	120.0	205.4	234.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	1.9	100.2	181.3	210.3
115°	1.2	1.9	78.0	157.1	184.4
117.5°	1.2	1.2	53.2	133.6	161.5
120°	1.2	1.2	27.8	110.1	135.5
122.5°	1.2	0.6	5.6	84.1	112.0
125°	1.2	0.6	0.0	56.3	83.5
127.5°	1.2	0.6	0.0	29.1	56.9
130°	0.6	0.6	0.0	4.3	27.2
132.5°	0.6	0.6	0.0	0.0	1.2
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)