

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: P290005

Luminaire Tested: **4SSRK-RB-30-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290005
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-30-L935-CD1-U
Description: 3000 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: 2530.7 lumens
Efficiency: N/A
Efficacy: 124.1 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

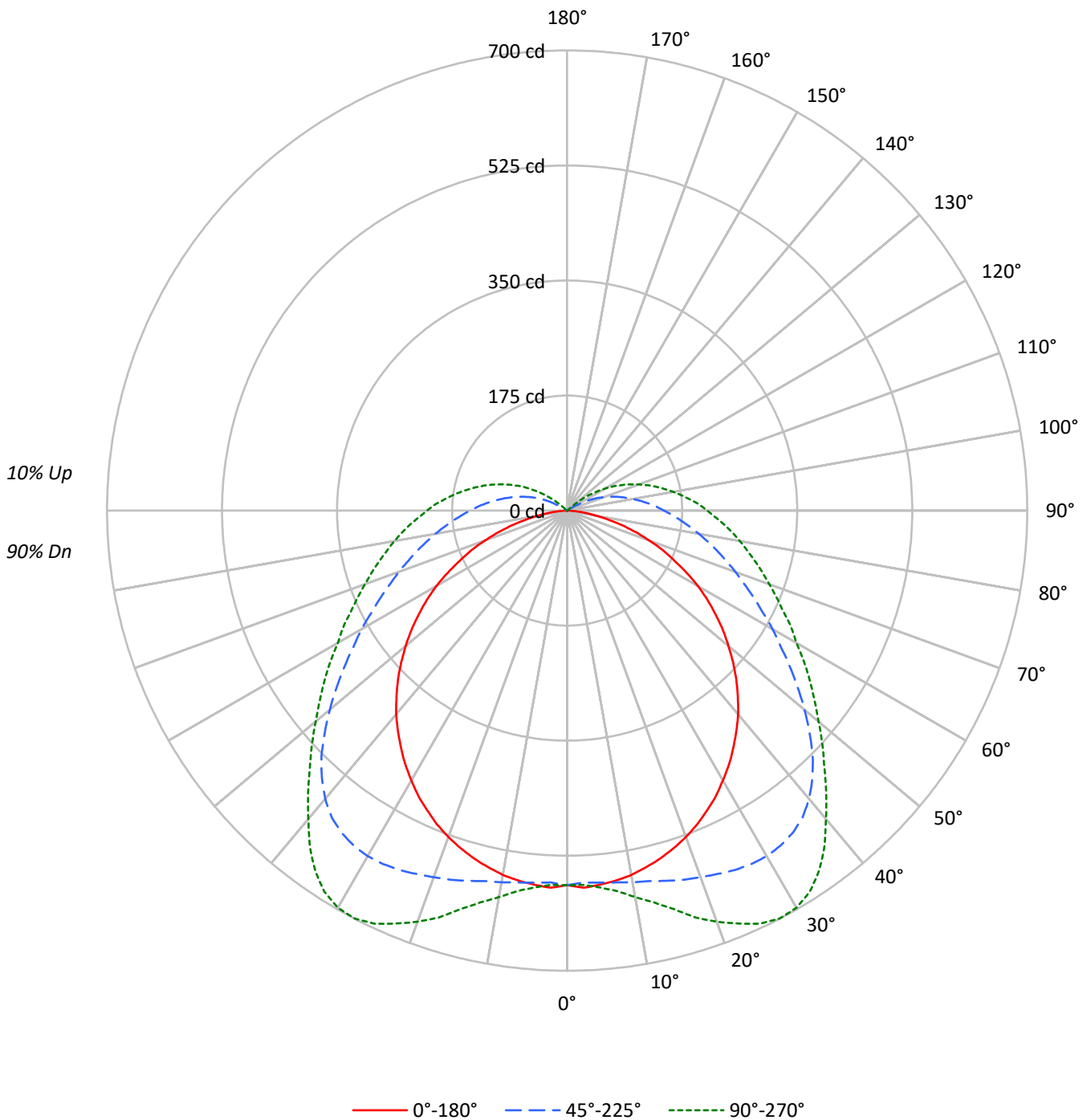
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	36806	36806	36806
5°	36909	29458	27633
10°	36639	25038	22954
15°	36222	22079	20251
20°	35773	19993	18627
25°	35181	18430	17248
30°	34503	17082	15718
35°	33760	15720	13865
40°	32975	14206	11853
45°	31907	12510	10107
50°	30669	10750	8699
55°	29289	9160	7562
60°	27684	7835	6564
65°	25223	6710	5787
70°	22568	5807	5151
75°	18744	5048	4629
80°	13658	4398	4193
85°	6927	3823	3792



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	2.2
10°-20°	166.7	6.6
20°-30°	277.5	11.0
30°-40°	358.9	14.2
40°-50°	379.1	15.0
50°-60°	349.5	13.8
60°-70°	293.7	11.6
70°-80°	230.1	9.1
80°-90°	169.3	6.7
90°-100°	120.6	4.8
100°-110°	77.5	3.1
110°-120°	40.7	1.6
120°-130°	11.8	0.5
130°-140°	0.3	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°	499.0	19.7
0°-40°	858.0	33.9
0°-60°	1586.6	62.7
0°-90°	2279.8	90.1
90°-120°	238.8	9.4
90°-150°	250.9	9.9
90°-180°	251.0	9.9
0°-180°	2530.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	570	570	570	570	570	
5°	571	571	568	575	575	54
15°	548	558	583	618	628	155
25°	503	532	603	672	694	232
35°	441	490	598	660	668	276
45°	364	429	528	551	553	280
55°	276	342	413	442	451	247
65°	180	246	313	351	363	179
75°	87	160	236	281	296	92
85°	14	94	174	223	239	18
90°	0	69	147	197	213	1
95°	1	50	124	173	188	1
105°	1	16	81	126	140	1
115°	1	1	39	78	91	1
125°	1	0	0	28	41	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°	569.9	569.9	569.9	569.9	569.9
2.5°	574.2	571.7	566.2	571.1	569.9
5°	571.4	571.1	568.0	575.4	575.4
7.5°	567.7	568.9	570.5	582.7	583.7
10°	562.8	566.5	574.2	592.9	596.9
12.5°	555.7	562.5	577.2	604.2	610.7
15°	547.8	558.5	583.1	617.7	627.5
17.5°	538.6	552.7	588.9	634.3	649.0
20°	528.4	546.8	593.5	649.3	665.6
22.5°	516.8	539.8	598.4	661.6	680.0
25°	503.3	531.5	603.3	672.3	693.5
27.5°	489.8	522.9	606.1	679.1	699.7
30°	473.8	513.4	607.0	680.0	697.5
32.5°	458.2	503.0	604.2	673.6	687.4
35°	440.7	489.8	598.4	659.5	668.4
37.5°	422.6	475.6	588.3	637.7	643.2
40°	404.8	462.5	572.6	610.1	612.5
42.5°	384.2	445.6	552.4	580.9	583.4
45°	363.9	428.7	528.4	551.1	553.3
47.5°	342.5	409.4	500.2	521.4	526.6
50°	320.4	388.2	471.4	493.8	499.3
52.5°	298.9	366.4	442.2	467.7	474.1
55°	275.6	342.5	413.4	441.6	450.8
57.5°	253.2	318.8	385.4	416.7	426.9
60°	229.8	294.6	360.9	393.7	402.9
62.5°	205.3	270.0	335.7	372.5	384.2
65°	179.8	246.1	313.0	351.4	362.7
67.5°	157.4	223.1	291.2	331.7	344.6
70°	133.2	201.0	272.2	314.2	327.1
72.5°	109.6	180.4	253.2	297.4	311.2
75°	86.8	160.2	236.0	280.8	295.5
77.5°	64.7	141.5	219.1	265.7	280.5
80°	45.4	124.3	203.5	251.3	267.0
82.5°	28.2	108.9	188.1	237.2	253.2
85°	13.8	93.6	173.7	223.1	239.1
87.5°	4.0	80.1	160.2	209.6	225.2
90°	0.3	68.7	147.3	197.3	213.0
92.5°	0.6	58.6	136.2	185.0	201.6
95°	0.9	49.7	124.0	173.1	188.4
97.5°	0.9	41.1	112.6	161.1	176.1
100°	0.9	32.8	101.6	148.5	163.9
102.5°	0.9	24.9	90.8	136.9	151.6
105°	0.9	16.3	80.7	125.5	140.2
107.5°	0.9	7.1	70.0	113.2	128.0
110°	0.9	1.5	59.5	101.9	116.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	0.9	49.7	89.9	104.3
115°	0.6	0.9	38.7	77.9	91.4
117.5°	0.6	0.6	26.4	66.3	80.1
120°	0.6	0.6	13.8	54.6	67.2
122.5°	0.6	0.3	2.8	41.7	55.5
125°	0.6	0.3	0.0	27.9	41.4
127.5°	0.6	0.3	0.0	14.4	28.2
130°	0.3	0.3	0.0	2.1	13.5
132.5°	0.3	0.3	0.0	0.0	0.6
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)