

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: P290036

Luminaire Tested: **8SSRK-RB-40-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290036
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: 8SSRK-RB-40-L930-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3149.3 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

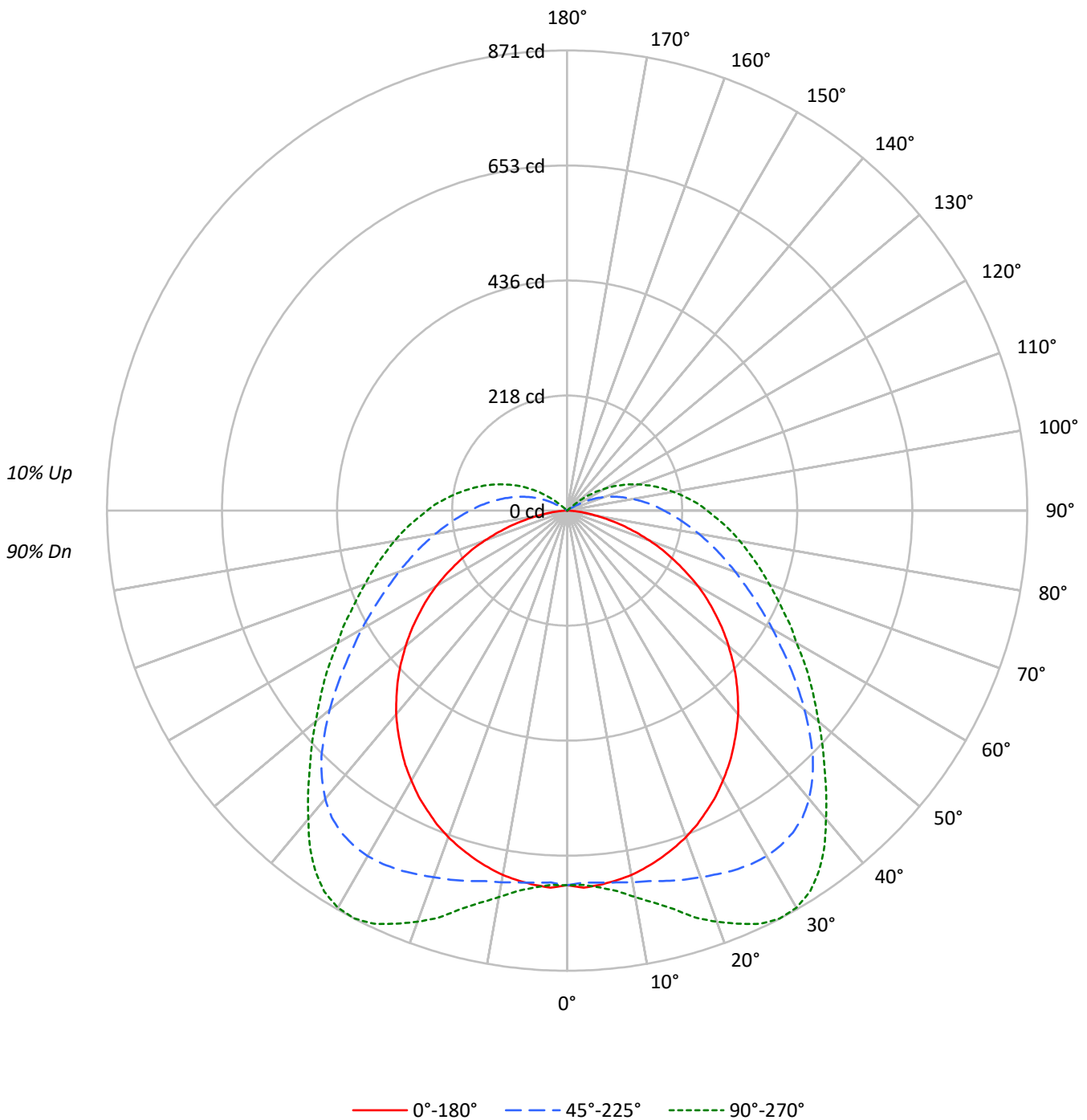
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	22901	22901	22901
5°	23008	18350	17192
10°	22882	15605	14283
15°	22663	13768	12602
20°	22428	12473	11590
25°	22100	11502	10733
30°	21723	10663	9780
35°	21307	9816	8626
40°	20868	8872	7375
45°	20261	7814	6288
50°	19544	6715	5412
55°	18747	5723	4705
60°	17827	4896	4084
65°	16369	4193	3601
70°	14797	3629	3206
75°	12514	3156	2881
80°	9396	2750	2608
85°	5147	2390	2359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	2.2
10°-20°	207.5	6.6
20°-30°	345.4	11.0
30°-40°	446.7	14.2
40°-50°	471.8	15.0
50°-60°	435.0	13.8
60°-70°	365.5	11.6
70°-80°	286.4	9.1
80°-90°	210.7	6.7
90°-100°	150.1	4.8
100°-110°	96.4	3.1
110°-120°	50.6	1.6
120°-130°	14.7	0.5
130°-140°	0.4	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°	621.0	19.7
0°-40°	1067.7	33.9
0°-60°	1974.4	62.7
0°-90°	2837.0	90.1
90°-120°	297.2	9.4
90°-150°	312.3	9.9
90°-180°	312.0	9.9
0°-180°	3149.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	709	709	709	709	709	
5°	711	711	707	716	716	68
15°	682	695	726	769	781	192
25°	626	661	751	837	863	289
35°	548	610	745	821	832	343
45°	453	534	658	686	688	349
55°	343	426	514	550	561	307
65°	224	306	390	437	451	223
75°	108	199	294	349	368	115
85°	17	116	216	278	298	23
90°	0	86	183	246	265	1
95°	1	62	154	215	234	1
105°	1	20	100	156	174	1
115°	1	1	48	97	114	1
125°	1	0	0	35	52	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°	709.2	709.2	709.2	709.2	709.2
2.5°	714.5	711.5	704.6	710.7	709.2
5°	711.1	710.7	706.9	716.0	716.0
7.5°	706.5	708.0	709.9	725.2	726.3
10°	700.4	705.0	714.5	737.8	742.8
12.5°	691.6	700.0	718.3	751.9	760.0
15°	681.7	695.0	725.6	768.7	781.0
17.5°	670.2	687.8	732.8	789.4	807.7
20°	657.6	680.5	738.6	808.1	828.3
22.5°	643.1	671.7	744.7	823.3	846.3
25°	626.3	661.4	750.8	836.7	863.1
27.5°	609.5	650.7	754.2	845.1	870.7
30°	589.6	638.9	755.4	846.3	868.0
32.5°	570.2	625.9	751.9	838.2	855.4
35°	548.4	609.5	744.7	820.7	831.7
37.5°	525.9	591.9	732.1	793.6	800.4
40°	503.7	575.5	712.6	759.2	762.2
42.5°	478.1	554.5	687.4	722.9	726.0
45°	452.9	533.5	657.6	685.9	688.5
47.5°	426.2	509.4	622.5	648.8	655.3
50°	398.7	483.1	586.6	614.5	621.3
52.5°	372.0	456.0	550.3	582.0	590.0
55°	342.9	426.2	514.4	549.5	561.0
57.5°	315.1	396.8	479.6	518.6	531.2
60°	286.0	366.6	449.1	490.0	501.4
62.5°	255.5	336.1	417.8	463.6	478.1
65°	223.8	306.3	389.5	437.3	451.4
67.5°	195.9	277.6	362.4	412.8	428.9
70°	165.7	250.1	338.7	391.1	407.1
72.5°	136.3	224.5	315.1	370.0	387.2
75°	108.1	199.3	293.7	349.4	367.8
77.5°	80.6	176.0	272.7	330.7	349.0
80°	56.5	154.7	253.2	312.8	332.2
82.5°	35.1	135.6	234.1	295.2	315.1
85°	17.2	116.5	216.1	277.6	297.5
87.5°	5.0	99.7	199.3	260.8	280.3
90°	0.4	85.5	183.3	245.6	265.0
92.5°	0.8	72.9	169.6	230.3	250.9
95°	1.1	61.9	154.3	215.4	234.5
97.5°	1.1	51.2	140.2	200.5	219.2
100°	1.1	40.9	126.4	184.8	203.9
102.5°	1.1	30.9	113.0	170.3	188.7
105°	1.1	20.2	100.4	156.2	174.5
107.5°	1.1	8.8	87.1	140.9	159.2
110°	1.1	1.9	74.1	126.8	144.7



TEST NUMBER: P290036

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	1.1	61.9	111.9	129.8
115°	0.8	1.1	48.1	97.0	113.8
117.5°	0.8	0.8	32.8	82.5	99.7
120°	0.8	0.8	17.2	68.0	83.6
122.5°	0.8	0.4	3.4	51.9	69.1
125°	0.8	0.4	0.0	34.8	51.6
127.5°	0.8	0.4	0.0	17.9	35.1
130°	0.4	0.4	0.0	2.7	16.8
132.5°	0.4	0.4	0.0	0.0	0.8
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)