

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: P290014

Luminaire Tested: **4SSRK-RB-40-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290014
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-40-L940-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3446.4 lumens
Efficiency: N/A
Efficacy: 124.4 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

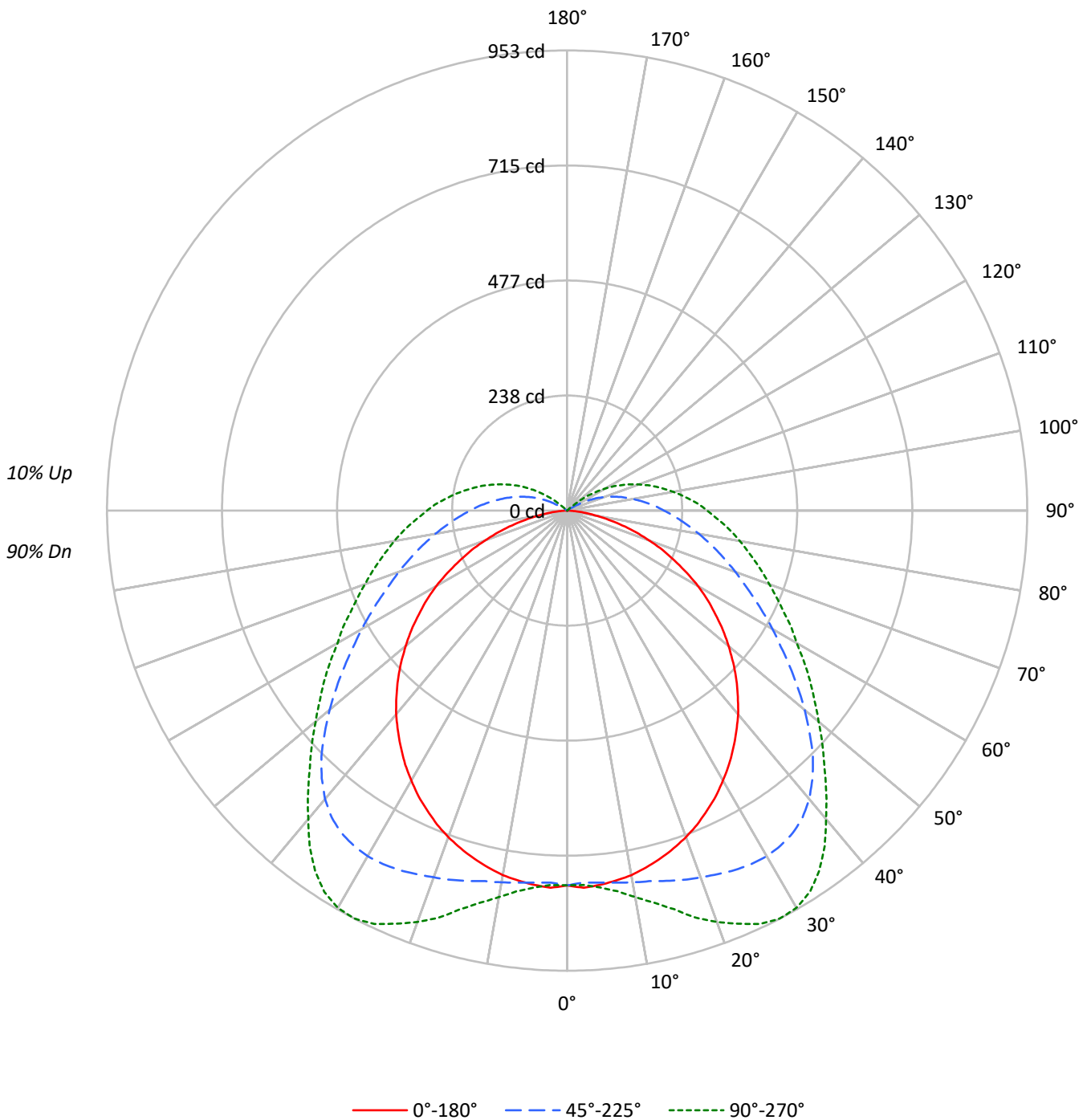
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	50123	50123	50123
5°	50267	40121	37631
10°	49900	34095	31257
15°	49328	30065	27580
20°	48718	27226	25368
25°	47910	25099	23490
30°	46992	23262	21405
35°	45971	21408	18881
40°	44900	19347	16144
45°	43455	17036	13764
50°	41763	14638	11845
55°	39884	12473	10298
60°	37708	10670	8939
65°	34355	9138	7882
70°	30735	7908	7016
75°	25547	6875	6304
80°	18621	5989	5710
85°	9437	5206	5164



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	2.2
10°-20°	227.0	6.6
20°-30°	377.9	11.0
30°-40°	488.8	14.2
40°-50°	516.3	15.0
50°-60°	476.0	13.8
60°-70°	400.0	11.6
70°-80°	313.4	9.1
80°-90°	230.6	6.7
90°-100°	164.3	4.8
100°-110°	105.5	3.1
110°-120°	55.4	1.6
120°-130°	16.1	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°	679.6	19.7
0°-40°	1168.4	33.9
0°-60°	2160.7	62.7
0°-90°	3104.7	90.1
90°-120°	325.2	9.4
90°-150°	341.7	9.9
90°-180°	342.0	9.9
0°-180°	3446.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	776	776	776	776	776	
5°	778	778	774	784	784	74
15°	746	761	794	841	855	210
25°	685	724	822	916	944	316
35°	600	667	815	898	910	375
45°	496	584	720	751	754	382
55°	375	466	563	601	614	336
65°	245	335	426	478	494	244
75°	118	218	321	382	402	126
85°	19	128	236	304	326	25
90°	0	94	201	269	290	1
95°	1	68	169	236	257	1
105°	1	22	110	171	191	1
115°	1	1	53	106	124	1
125°	1	0	0	38	56	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°	776.1	776.1	776.1	776.1	776.1
2.5°	781.9	778.6	771.0	777.7	776.1
5°	778.2	777.7	773.6	783.6	783.6
7.5°	773.1	774.8	776.9	793.6	794.9
10°	766.5	771.5	781.9	807.4	812.8
12.5°	756.8	766.0	786.1	822.9	831.6
15°	746.0	760.6	794.0	841.3	854.6
17.5°	733.4	752.7	802.0	863.8	883.9
20°	719.6	744.7	808.2	884.3	906.5
22.5°	703.8	735.1	814.9	901.0	926.1
25°	685.4	723.8	821.6	915.6	944.5
27.5°	667.0	712.1	825.4	924.8	952.8
30°	645.3	699.2	826.6	926.1	949.9
32.5°	623.9	685.0	822.9	917.3	936.1
35°	600.1	667.0	814.9	898.1	910.2
37.5°	575.5	647.8	801.1	868.4	875.9
40°	551.2	629.8	779.8	830.8	834.2
42.5°	523.2	606.8	752.2	791.1	794.5
45°	495.6	583.8	719.6	750.6	753.5
47.5°	466.4	557.5	681.2	710.0	717.1
50°	436.3	528.7	641.9	672.4	679.9
52.5°	407.0	499.0	602.2	636.9	645.7
55°	375.3	466.4	562.9	601.4	613.9
57.5°	344.8	434.2	524.9	567.5	581.3
60°	313.0	401.2	491.5	536.2	548.7
62.5°	279.6	367.8	457.2	507.3	523.2
65°	244.9	335.2	426.3	478.5	494.0
67.5°	214.4	303.8	396.6	451.8	469.3
70°	181.4	273.7	370.7	427.9	445.5
72.5°	149.2	245.7	344.8	405.0	423.8
75°	118.3	218.2	321.4	382.4	402.4
77.5°	88.2	192.7	298.4	361.9	382.0
80°	61.9	169.3	277.1	342.3	363.6
82.5°	38.4	148.4	256.2	323.0	344.8
85°	18.8	127.5	236.5	303.8	325.6
87.5°	5.4	109.1	218.2	285.4	306.7
90°	0.4	93.6	200.6	268.7	290.0
92.5°	0.8	79.8	185.6	252.0	274.6
95°	1.3	67.7	168.8	235.7	256.6
97.5°	1.3	56.0	153.4	219.4	239.9
100°	1.3	44.7	138.3	202.3	223.2
102.5°	1.3	33.9	123.7	186.4	206.4
105°	1.3	22.1	109.9	170.9	191.0
107.5°	1.3	9.6	95.3	154.2	174.3
110°	1.3	2.1	81.1	138.7	158.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	1.3	67.7	122.4	142.1
115°	0.8	1.3	52.7	106.1	124.5
117.5°	0.8	0.8	35.9	90.3	109.1
120°	0.8	0.8	18.8	74.4	91.5
122.5°	0.8	0.4	3.8	56.8	75.6
125°	0.8	0.4	0.0	38.0	56.4
127.5°	0.8	0.4	0.0	19.6	38.4
130°	0.4	0.4	0.0	2.9	18.4
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)