

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: P290006

Luminaire Tested: **4SSRK-RB-30-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290006
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-L940-CD1-U
Description: 3000 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: 2591.9 lumens
Efficiency: N/A
Efficacy: 127.1 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

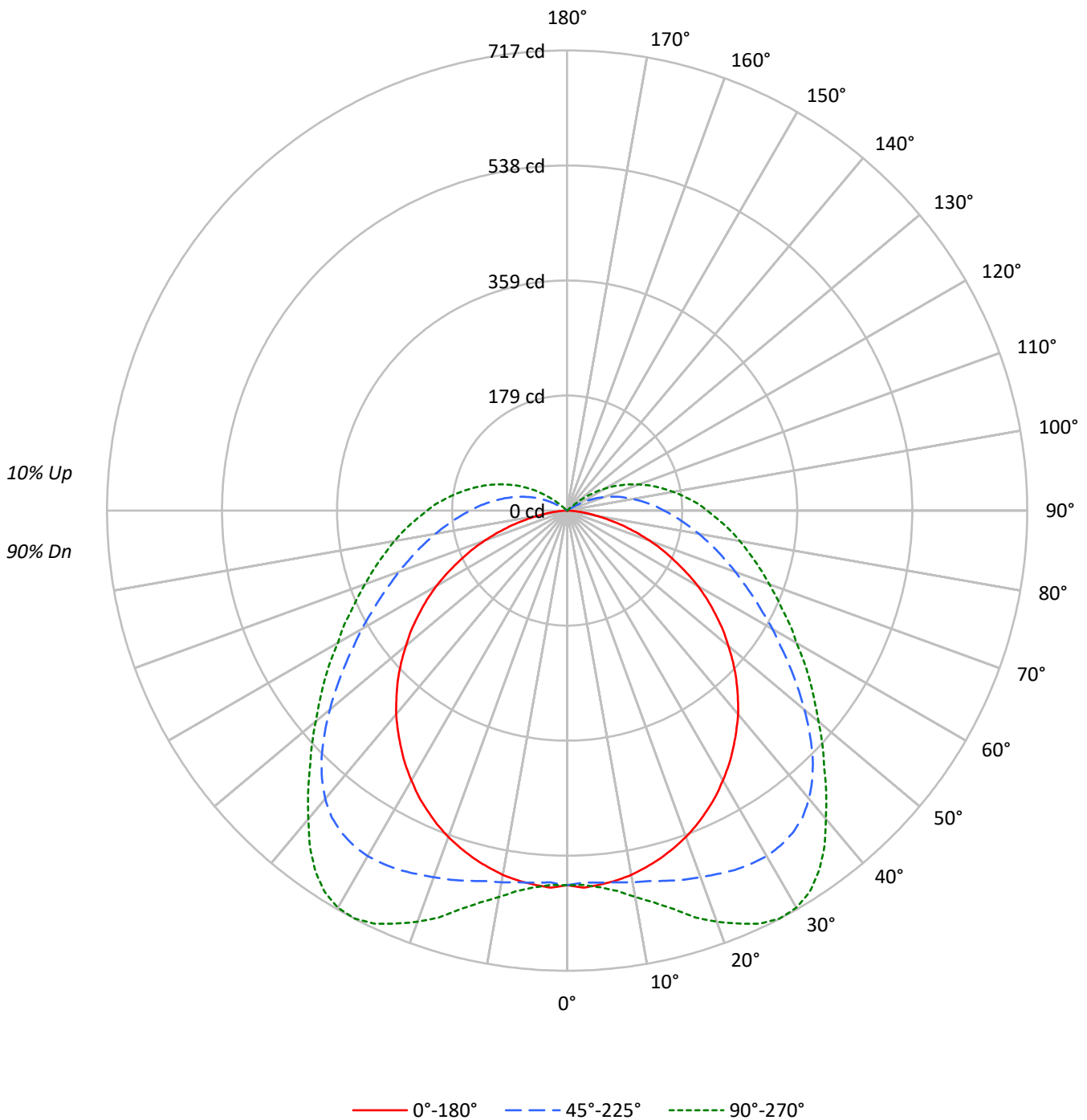
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	37697	37697	37697
5°	37801	30174	28300
10°	37524	25644	23508
15°	37095	22613	20741
20°	36640	20478	19077
25°	36034	18876	17666
30°	35341	17495	16098
35°	34572	16101	14199
40°	33773	14551	12140
45°	32687	12813	10352
50°	31406	11010	8910
55°	29990	9382	7745
60°	28359	8024	6724
65°	25840	6873	5927
70°	23110	5947	5276
75°	19198	5170	4742
80°	13989	4504	4293
85°	7078	3916	3883



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	2.2
10°-20°	170.7	6.6
20°-30°	284.2	11.0
30°-40°	367.6	14.2
40°-50°	388.3	15.0
50°-60°	358.0	13.8
60°-70°	300.8	11.6
70°-80°	235.7	9.1
80°-90°	173.4	6.7
90°-100°	123.6	4.8
100°-110°	79.4	3.1
110°-120°	41.6	1.6
120°-130°	12.1	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°	511.1	19.7
0°-40°	878.7	33.9
0°-60°	1625.0	62.7
0°-90°	2335.0	90.1
90°-120°	244.6	9.4
90°-150°	257.0	9.9
90°-180°	257.0	9.9
0°-180°	2591.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	584	584	584	584	584	
5°	585	585	582	589	589	56
15°	561	572	597	633	643	158
25°	516	544	618	689	710	238
35°	451	502	613	675	684	282
45°	373	439	541	564	567	287
55°	282	351	423	452	462	253
65°	184	252	321	360	372	183
75°	89	164	242	288	303	95
85°	14	96	178	228	245	19
90°	0	70	151	202	218	1
95°	1	51	127	177	193	1
105°	1	17	83	128	144	1
115°	1	1	40	80	94	1
125°	1	0	0	29	42	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°	583.7	583.7	583.7	583.7	583.7
2.5°	588.1	585.5	579.9	584.9	583.7
5°	585.2	584.9	581.8	589.3	589.3
7.5°	581.5	582.7	584.3	596.9	597.8
10°	576.4	580.2	588.1	607.2	611.3
12.5°	569.2	576.1	591.2	618.9	625.5
15°	561.0	572.0	597.2	632.7	642.7
17.5°	551.6	566.1	603.1	649.7	664.7
20°	541.2	560.1	607.9	665.1	681.7
22.5°	529.3	552.9	612.9	677.6	696.5
25°	515.5	544.4	617.9	688.6	710.3
27.5°	501.6	535.6	620.7	695.5	716.6
30°	485.3	525.8	621.7	696.5	714.4
32.5°	469.3	515.1	618.9	689.9	704.0
35°	451.3	501.6	612.9	675.4	684.5
37.5°	432.8	487.2	602.5	653.1	658.8
40°	414.6	473.7	586.5	624.8	627.3
42.5°	393.5	456.4	565.7	595.0	597.5
45°	372.8	439.1	541.2	564.5	566.7
47.5°	350.8	419.3	512.3	534.0	539.3
50°	328.1	397.6	482.8	505.7	511.4
52.5°	306.1	375.3	452.9	479.0	485.6
55°	282.2	350.8	423.4	452.3	461.7
57.5°	259.3	326.6	394.8	426.8	437.2
60°	235.4	301.7	369.6	403.2	412.7
62.5°	210.3	276.6	343.8	381.6	393.5
65°	184.2	252.1	320.6	359.9	371.5
67.5°	161.2	228.5	298.3	339.8	353.0
70°	136.4	205.9	278.8	321.8	335.0
72.5°	112.2	184.8	259.3	304.6	318.7
75°	88.9	164.1	241.7	287.6	302.7
77.5°	66.3	144.9	224.4	272.2	287.3
80°	46.5	127.3	208.4	257.4	273.4
82.5°	28.9	111.6	192.7	243.0	259.3
85°	14.1	95.9	177.9	228.5	244.8
87.5°	4.1	82.0	164.1	214.7	230.7
90°	0.3	70.4	150.9	202.1	218.1
92.5°	0.6	60.0	139.6	189.5	206.5
95°	0.9	50.9	127.0	177.3	193.0
97.5°	0.9	42.1	115.3	165.0	180.4
100°	0.9	33.6	104.0	152.1	167.8
102.5°	0.9	25.5	93.0	140.2	155.3
105°	0.9	16.7	82.7	128.5	143.6
107.5°	0.9	7.2	71.7	116.0	131.1
110°	0.9	1.6	61.0	104.3	119.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	0.9	50.9	92.1	106.9
115°	0.6	0.9	39.6	79.8	93.7
117.5°	0.6	0.6	27.0	67.9	82.0
120°	0.6	0.6	14.1	55.9	68.8
122.5°	0.6	0.3	2.8	42.7	56.9
125°	0.6	0.3	0.0	28.6	42.4
127.5°	0.6	0.3	0.0	14.8	28.9
130°	0.3	0.3	0.0	2.2	13.8
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)