

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: P290008

Luminaire Tested: **4SSRK-RB-30-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290008
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-L830-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2961.6 lumens
Efficiency: N/A
Efficacy: 145.2 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

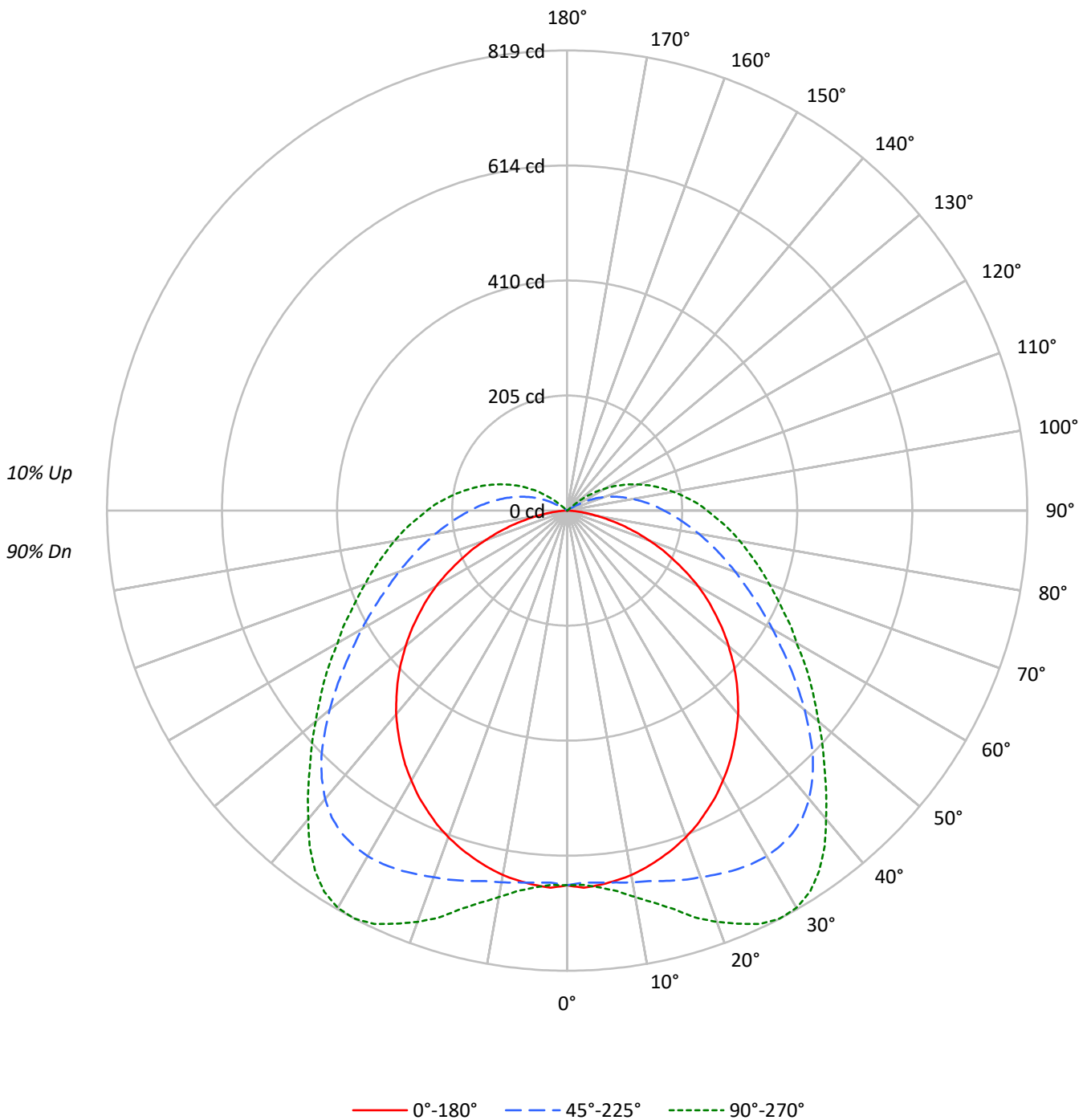
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	43070	43070	43070
5°	43194	34473	32339
10°	42876	29299	26862
15°	42385	25835	23701
20°	41866	23396	21798
25°	41172	21567	20185
30°	40380	19989	18395
35°	39506	18397	16225
40°	38587	16626	13872
45°	37343	14640	11828
50°	35885	12579	10180
55°	34273	10718	8850
60°	32407	9168	7682
65°	29515	7852	6773
70°	26414	6794	6029
75°	21940	5908	5417
80°	16004	5146	4906
85°	8132	4475	4438



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	2.2
10°-20°	195.1	6.6
20°-30°	324.8	11.0
30°-40°	420.0	14.2
40°-50°	443.6	15.0
50°-60°	409.0	13.8
60°-70°	343.7	11.6
70°-80°	269.3	9.1
80°-90°	198.1	6.7
90°-100°	141.2	4.8
100°-110°	90.7	3.1
110°-120°	47.6	1.6
120°-130°	13.8	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°	584.0	19.7
0°-40°	1004.0	33.9
0°-60°	1856.7	62.7
0°-90°	2667.9	90.1
90°-120°	279.5	9.4
90°-150°	293.7	9.9
90°-180°	294.0	9.9
0°-180°	2961.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	667	667	667	667	667	
5°	669	668	665	673	673	63
15°	641	654	682	723	734	181
25°	589	622	706	787	812	271
35°	516	573	700	772	782	323
45°	426	502	618	645	648	328
55°	322	401	484	517	528	289
65°	210	288	366	411	424	210
75°	102	188	276	329	346	108
85°	16	110	203	261	280	21
90°	0	80	172	231	249	1
95°	1	58	145	202	220	1
105°	1	19	94	147	164	1
115°	1	1	45	91	107	1
125°	1	0	0	33	48	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°	666.9	666.9	666.9	666.9	666.9
2.5°	671.9	669.1	662.6	668.3	666.9
5°	668.7	668.3	664.7	673.4	673.4
7.5°	664.4	665.8	667.6	682.0	683.1
10°	658.6	662.9	671.9	693.8	698.5
12.5°	650.4	658.3	675.5	707.1	714.7
15°	641.0	653.6	682.3	722.9	734.4
17.5°	630.3	646.8	689.2	742.3	759.5
20°	618.4	640.0	694.5	759.9	778.9
22.5°	604.8	631.7	700.3	774.3	795.8
25°	589.0	622.0	706.0	786.8	811.6
27.5°	573.2	611.9	709.3	794.7	818.8
30°	554.5	600.8	710.3	795.8	816.3
32.5°	536.2	588.6	707.1	788.3	804.4
35°	515.7	573.2	700.3	771.8	782.2
37.5°	494.5	556.6	688.4	746.3	752.7
40°	473.7	541.2	670.1	713.9	716.8
42.5°	449.6	521.4	646.4	679.8	682.7
45°	425.9	501.7	618.4	645.0	647.5
47.5°	400.8	479.1	585.4	610.2	616.3
50°	374.9	454.3	551.6	577.8	584.3
52.5°	349.8	428.8	517.5	547.3	554.8
55°	322.5	400.8	483.7	516.8	527.6
57.5°	296.3	373.1	451.1	487.7	499.5
60°	269.0	344.8	422.3	460.8	471.5
62.5°	240.3	316.0	392.9	436.0	449.6
65°	210.4	288.0	366.3	411.2	424.5
67.5°	184.2	261.1	340.8	388.2	403.3
70°	155.9	235.2	318.5	367.7	382.8
72.5°	128.2	211.2	296.3	348.0	364.2
75°	101.6	187.5	276.2	328.6	345.8
77.5°	75.8	165.6	256.4	311.0	328.2
80°	53.2	145.4	238.1	294.1	312.4
82.5°	33.0	127.5	220.1	277.6	296.3
85°	16.2	109.5	203.3	261.1	279.8
87.5°	4.7	93.7	187.5	245.3	263.6
90°	0.4	80.4	172.4	230.9	249.2
92.5°	0.7	68.6	159.5	216.6	235.9
95°	1.1	58.2	145.1	202.5	220.5
97.5°	1.1	48.1	131.8	188.5	206.1
100°	1.1	38.4	118.9	173.8	191.8
102.5°	1.1	29.1	106.3	160.2	177.4
105°	1.1	19.0	94.4	146.9	164.1
107.5°	1.1	8.3	81.9	132.5	149.8
110°	1.1	1.8	69.7	119.2	136.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	1.1	58.2	105.2	122.1
115°	0.7	1.1	45.2	91.2	107.0
117.5°	0.7	0.7	30.9	77.6	93.7
120°	0.7	0.7	16.2	63.9	78.6
122.5°	0.7	0.4	3.2	48.8	65.0
125°	0.7	0.4	0.0	32.7	48.5
127.5°	0.7	0.4	0.0	16.9	33.0
130°	0.4	0.4	0.0	2.5	15.8
132.5°	0.4	0.4	0.0	0.0	0.7
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)