

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: P290009

Luminaire Tested: **4SSRK-RB-30-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290009
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-L835-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3012.7 lumens
Efficiency: N/A
Efficacy: 147.7 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

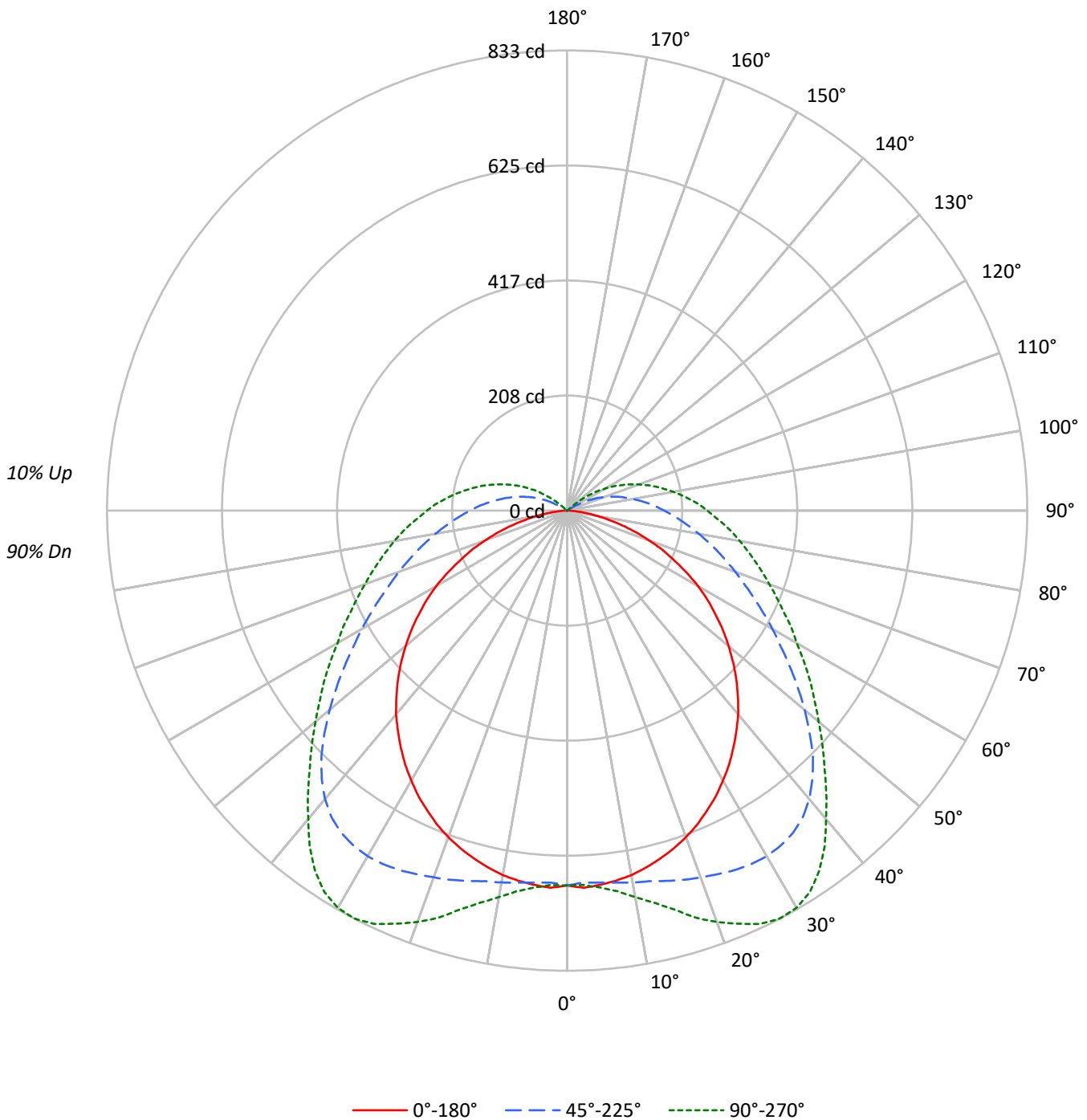
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90					90			
1	104	98	93	88	100	95	90	86	89	85	81	83	80	77	78	75	73	70					70			
2	94	84	77	70	90	82	74	68	76	70	65	71	67	62	67	63	59	57					57			
3	85	73	64	57	81	71	63	56	66	60	54	62	56	52	58	54	49	47					47			
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	46	42	39					39			
5	71	57	48	41	68	56	47	40	52	45	39	49	43	37	46	41	36	34					34			
6	65	51	42	35	63	50	41	35	47	39	34	44	38	32	42	36	31	29					29			
7	60	46	37	31	58	45	36	30	43	35	29	40	34	29	38	32	28	25					25			
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	25	22					22			
9	52	38	30	24	50	37	29	24	36	28	23	34	27	23	32	26	22	20					20			
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	30	24	20	18					18			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43813	43813	43813
5°	43937	35069	32896
10°	43618	29804	27323
15°	43119	26282	24111
20°	42591	23800	22175
25°	41878	21940	20533
30°	41079	20335	18712
35°	40188	18715	16505
40°	39255	16913	14112
45°	37992	14894	12032
50°	36508	12796	10356
55°	34868	10904	9003
60°	32961	9326	7815
65°	30034	7987	6889
70°	26855	6912	6133
75°	22329	6008	5511
80°	16275	5235	4990
85°	8232	4552	4514



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	2.2
10°-20°	198.5	6.6
20°-30°	330.4	11.0
30°-40°	427.3	14.2
40°-50°	451.3	15.0
50°-60°	416.1	13.8
60°-70°	349.7	11.6
70°-80°	274.0	9.1
80°-90°	201.6	6.7
90°-100°	143.6	4.8
100°-110°	92.3	3.1
110°-120°	48.4	1.6
120°-130°	14.1	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°	594.1	19.7
0°-40°	1021.4	33.9
0°-60°	1888.8	62.7
0°-90°	2714.0	90.1
90°-120°	284.3	9.4
90°-150°	298.7	9.9
90°-180°	299.0	9.9
0°-180°	3012.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	678	678	678	678	678	
5°	680	680	676	685	685	65
15°	652	665	694	735	747	184
25°	599	633	718	800	826	276
35°	525	583	712	785	796	328
45°	433	510	629	656	659	334
55°	328	408	492	526	537	294
65°	214	293	373	418	432	213
75°	103	191	281	334	352	110
85°	16	111	207	266	285	22
90°	0	82	175	235	254	1
95°	1	59	148	206	224	1
105°	1	19	96	149	167	1
115°	1	1	46	93	109	1
125°	1	0	0	33	49	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°	678.4	678.4	678.4	678.4	678.4
2.5°	683.5	680.6	674.0	679.9	678.4
5°	680.2	679.9	676.2	685.0	685.0
7.5°	675.8	677.3	679.1	693.7	694.8
10°	670.0	674.4	683.5	705.8	710.5
12.5°	661.6	669.6	687.2	719.3	727.0
15°	652.1	664.9	694.1	735.4	747.1
17.5°	641.1	657.9	701.0	755.1	772.7
20°	629.1	651.0	706.5	773.0	792.4
22.5°	615.2	642.6	712.4	787.6	809.5
25°	599.1	632.7	718.2	800.4	825.6
27.5°	583.1	622.5	721.5	808.5	832.9
30°	564.1	611.2	722.6	809.5	830.4
32.5°	545.4	598.8	719.3	801.9	818.3
35°	524.6	583.1	712.4	785.1	795.7
37.5°	503.0	566.2	700.3	759.1	765.7
40°	481.9	550.5	681.7	726.3	729.2
42.5°	457.4	530.4	657.6	691.6	694.5
45°	433.3	510.4	629.1	656.1	658.7
47.5°	407.7	487.3	595.5	620.7	626.9
50°	381.4	462.1	561.1	587.8	594.4
52.5°	355.8	436.2	526.4	556.7	564.4
55°	328.1	407.7	492.1	525.7	536.7
57.5°	301.4	379.6	458.8	496.1	508.2
60°	273.6	350.7	429.6	468.7	479.7
62.5°	244.4	321.5	399.7	443.5	457.4
65°	214.1	293.0	372.6	418.3	431.8
67.5°	187.4	265.6	346.7	394.9	410.3
70°	158.5	239.3	324.0	374.1	389.4
72.5°	130.4	214.8	301.4	354.0	370.4
75°	103.4	190.7	280.9	334.3	351.8
77.5°	77.1	168.4	260.8	316.4	333.9
80°	54.1	148.0	242.2	299.2	317.8
82.5°	33.6	129.7	223.9	282.4	301.4
85°	16.4	111.4	206.8	265.6	284.6
87.5°	4.7	95.3	190.7	249.5	268.1
90°	0.4	81.8	175.4	234.9	253.5
92.5°	0.7	69.8	162.2	220.3	240.0
95°	1.1	59.2	147.6	206.0	224.3
97.5°	1.1	49.0	134.1	191.8	209.7
100°	1.1	39.1	120.9	176.8	195.1
102.5°	1.1	29.6	108.1	162.9	180.5
105°	1.1	19.4	96.1	149.4	167.0
107.5°	1.1	8.4	83.3	134.8	152.3
110°	1.1	1.8	70.9	121.3	138.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	1.1	59.2	107.0	124.2
115°	0.7	1.1	46.0	92.8	108.9
117.5°	0.7	0.7	31.4	78.9	95.3
120°	0.7	0.7	16.4	65.0	80.0
122.5°	0.7	0.4	3.3	49.7	66.1
125°	0.7	0.4	0.0	33.2	49.3
127.5°	0.7	0.4	0.0	17.2	33.6
130°	0.4	0.4	0.0	2.6	16.1
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)