

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: P290007

Luminaire Tested: **4SSRK-RB-30-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290007
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-L950-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2760.5 lumens
Efficiency: N/A
Efficacy: 135.3 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

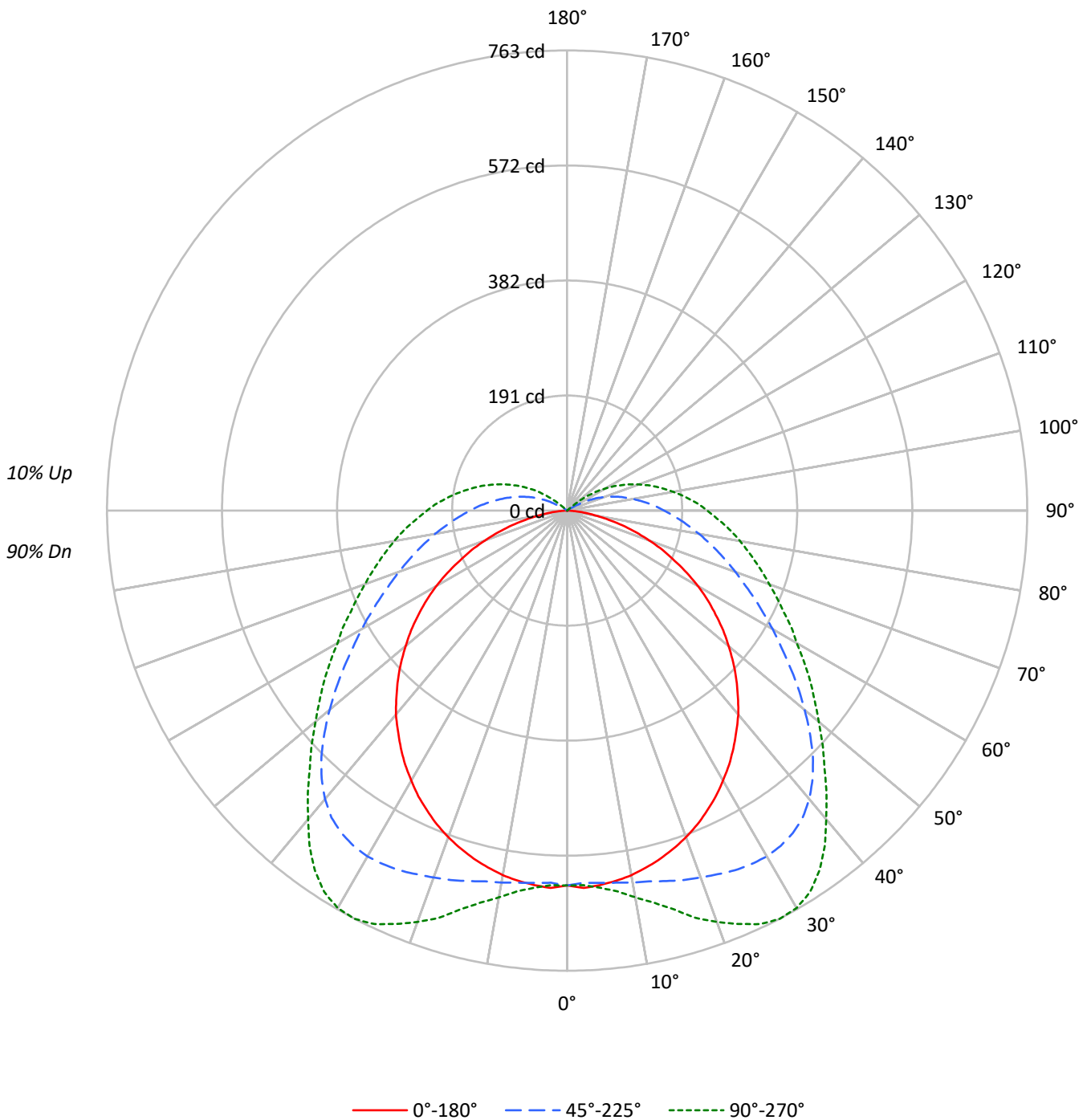
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	40145	40145	40145
5°	40262	32134	30140
10°	39965	27310	25039
15°	39508	24082	22090
20°	39023	21809	20317
25°	38376	20104	18815
30°	37634	18632	17146
35°	36825	17147	15124
40°	35964	15497	12929
45°	34809	13646	11024
50°	33454	11726	9488
55°	31946	9991	8248
60°	30202	8545	7160
65°	27523	7318	6313
70°	24618	6333	5619
75°	20450	5506	5049
80°	14891	4796	4573
85°	7579	4171	4136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	2.2
10°-20°	181.8	6.6
20°-30°	302.7	11.0
30°-40°	391.5	14.2
40°-50°	413.5	15.0
50°-60°	381.3	13.8
60°-70°	320.4	11.6
70°-80°	251.0	9.1
80°-90°	184.7	6.7
90°-100°	131.6	4.8
100°-110°	84.5	3.1
110°-120°	44.4	1.6
120°-130°	12.9	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°	544.3	19.7
0°-40°	935.9	33.9
0°-60°	1730.6	62.7
0°-90°	2486.8	90.1
90°-120°	260.5	9.4
90°-150°	273.7	9.9
90°-180°	274.0	9.9
0°-180°	2760.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	622	622	622	622	622	
5°	623	623	620	628	628	59
15°	598	609	636	674	684	169
25°	549	580	658	733	756	253
35°	481	534	653	719	729	301
45°	397	468	576	601	604	306
55°	301	374	451	482	492	269
65°	196	268	341	383	396	195
75°	95	175	257	306	322	101
85°	15	102	190	243	261	20
90°	0	75	161	215	232	1
95°	1	54	135	189	206	1
105°	1	18	88	137	153	1
115°	1	1	42	85	100	1
125°	1	0	0	30	45	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°	621.6	621.6	621.6	621.6	621.6
2.5°	626.3	623.6	617.6	622.9	621.6
5°	623.3	622.9	619.6	627.6	627.6
7.5°	619.3	620.6	622.3	635.7	636.7
10°	613.9	617.9	626.3	646.7	651.1
12.5°	606.2	613.6	629.6	659.1	666.1
15°	597.5	609.2	636.0	673.8	684.5
17.5°	587.5	602.9	642.4	691.9	708.0
20°	576.4	596.5	647.4	708.3	726.0
22.5°	563.7	588.8	652.7	721.7	741.8
25°	549.0	579.8	658.1	733.4	756.5
27.5°	534.2	570.4	661.1	740.8	763.2
30°	516.8	560.0	662.1	741.8	760.9
32.5°	499.8	548.6	659.1	734.7	749.8
35°	480.7	534.2	652.7	719.3	729.1
37.5°	460.9	518.8	641.7	695.6	701.6
40°	441.5	504.4	624.6	665.5	668.1
42.5°	419.1	486.0	602.5	633.7	636.3
45°	397.0	467.6	576.4	601.2	603.5
47.5°	373.6	446.5	545.6	568.7	574.4
50°	349.5	423.4	514.2	538.6	544.6
52.5°	326.0	399.7	482.4	510.1	517.2
55°	300.6	373.6	450.9	481.7	491.7
57.5°	276.2	347.8	420.4	454.6	465.6
60°	250.7	321.3	393.6	429.5	439.5
62.5°	223.9	294.6	366.2	406.4	419.1
65°	196.2	268.5	341.4	383.3	395.7
67.5°	171.7	243.4	317.7	361.8	375.9
70°	145.3	219.3	296.9	342.8	356.8
72.5°	119.5	196.8	276.2	324.4	339.4
75°	94.7	174.7	257.4	306.3	322.3
77.5°	70.6	154.3	239.0	289.9	305.9
80°	49.5	135.6	221.9	274.1	291.2
82.5°	30.8	118.8	205.2	258.8	276.2
85°	15.1	102.1	189.5	243.4	260.8
87.5°	4.4	87.4	174.7	228.6	245.7
90°	0.3	75.0	160.7	215.2	232.3
92.5°	0.7	63.9	148.6	201.8	219.9
95°	1.0	54.2	135.2	188.8	205.5
97.5°	1.0	44.9	122.8	175.7	192.1
100°	1.0	35.8	110.8	162.0	178.7
102.5°	1.0	27.1	99.1	149.3	165.4
105°	1.0	17.7	88.0	136.9	153.0
107.5°	1.0	7.7	76.3	123.5	139.6
110°	1.0	1.7	64.9	111.1	126.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	1.0	54.2	98.1	113.8
115°	0.7	1.0	42.2	85.0	99.8
117.5°	0.7	0.7	28.8	72.3	87.4
120°	0.7	0.7	15.1	59.6	73.3
122.5°	0.7	0.3	3.0	45.5	60.6
125°	0.7	0.3	0.0	30.5	45.2
127.5°	0.7	0.3	0.0	15.7	30.8
130°	0.3	0.3	0.0	2.3	14.7
132.5°	0.3	0.3	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)