

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: P289643

Luminaire Tested: **4SSRK-TB-30-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-TB-30-L930-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2325.1 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

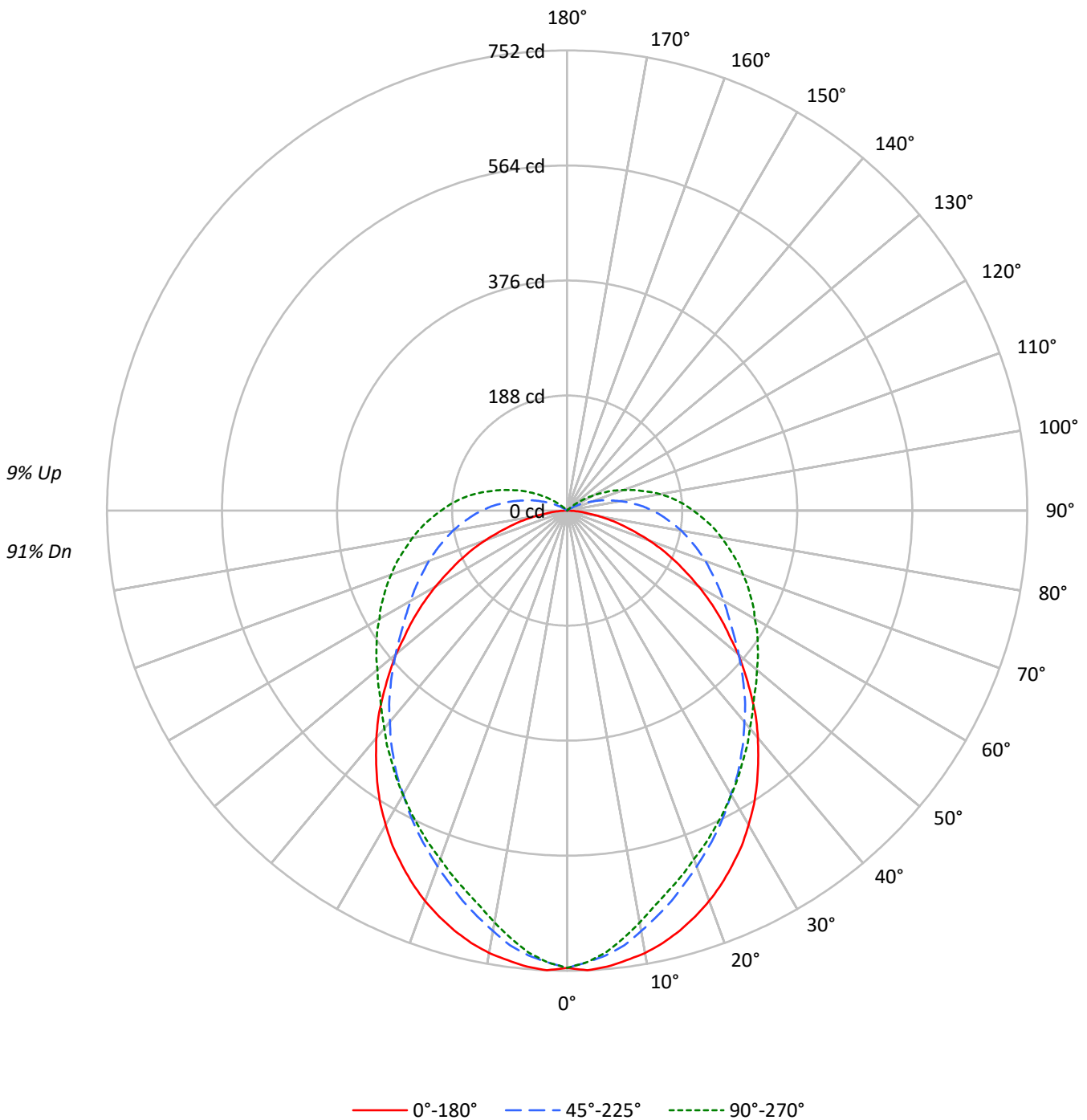
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91
1	104	98	93	89	100	95	90	86	89	85	82	84	80	78	78	76	74	71
2	94	85	77	71	90	82	75	69	77	71	66	72	67	63	68	64	60	58
3	85	74	65	58	82	72	64	57	67	60	55	63	58	53	60	55	51	48
4	78	65	56	49	75	63	55	48	60	52	47	56	50	45	53	48	43	41
5	72	58	49	42	69	57	48	41	53	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	42	36	48	41	35	46	39	34	43	38	33	31
7	61	48	39	32	59	46	38	32	44	37	31	42	35	30	40	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	31	26	24
9	54	40	32	26	52	39	31	26	37	30	25	35	29	24	34	28	24	22
10	50	37	29	24	48	36	28	23	34	28	23	33	27	22	31	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	48256	48256	48256
5°	48336	37834	34808
10°	47797	30424	26289
15°	46994	24995	20732
20°	45962	20849	16959
25°	44660	17685	14221
30°	43184	15067	12090
35°	41459	12983	10374
40°	39491	11180	8995
45°	37247	9666	7888
50°	34919	8344	7052
55°	32509	7248	6376
60°	29913	6411	5771
65°	27229	5726	5275
70°	24127	5120	4818
75°	20321	4580	4405
80°	15914	4094	4028
85°	10039	3601	3676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	3.0
10°-20°	188.5	8.1
20°-30°	272.8	11.7
30°-40°	317.3	13.6
40°-50°	323.0	13.9
50°-60°	300.5	12.9
60°-70°	261.7	11.3
70°-80°	213.0	9.2
80°-90°	161.4	6.9
90°-100°	111.9	4.8
100°-110°	65.8	2.8
110°-120°	30.8	1.3
120°-130°	8.8	0.4
130°-140°	0.5	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°	530.5	22.8
0°-40°	847.8	36.5
0°-60°	1471.3	63.3
0°-90°	2107.3	90.6
90°-120°	208.5	9.0
90°-150°	217.8	9.4
90°-180°	218.0	9.4
0°-180°	2325.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	747	747	747	747	747	
5°	748	742	730	730	725	71
15°	711	692	660	648	642	200
25°	639	611	579	574	572	294
35°	541	513	494	499	500	338
45°	425	408	408	425	432	328
55°	306	305	327	366	380	273
65°	194	211	267	314	331	192
75°	94	138	214	264	281	100
85°	20	86	164	215	232	23
90°	0	62	139	189	206	1
95°	0	40	114	165	181	0
105°	0	9	65	109	125	0
115°	0	0	26	60	73	0
125°	0	0	1	20	29	0
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°	1	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°	747.2	747.2	747.2	747.2	747.2
2.5°	751.9	748.3	738.9	742.5	738.9
5°	748.3	742.5	729.5	729.5	724.8
7.5°	741.3	734.2	716.6	710.7	704.8
10°	734.2	723.6	697.7	690.7	683.6
12.5°	723.6	708.3	678.9	668.3	661.3
15°	710.7	691.9	660.1	648.3	642.4
17.5°	695.4	674.2	638.9	629.5	624.8
20°	678.9	654.2	618.9	610.7	606.0
22.5°	660.1	631.8	598.9	593.0	589.5
25°	638.9	610.7	578.9	574.2	571.8
27.5°	617.7	587.1	557.7	555.4	554.2
30°	593.0	563.6	535.4	536.5	536.5
32.5°	568.3	538.9	516.5	518.9	518.9
35°	541.2	513.0	494.2	498.9	500.1
37.5°	513.0	488.3	473.0	480.1	483.6
40°	484.8	462.4	450.6	461.2	464.8
42.5°	456.5	435.4	430.6	443.6	448.3
45°	424.8	408.3	408.3	424.8	431.8
47.5°	394.2	383.6	387.1	408.3	418.9
50°	364.8	356.5	365.9	393.0	404.8
52.5°	333.0	330.6	345.9	378.9	393.0
55°	305.9	304.7	327.1	365.9	380.1
57.5°	276.5	280.0	310.6	353.0	368.3
60°	248.3	255.3	295.3	340.0	354.2
62.5°	220.0	234.1	281.2	327.1	343.6
65°	194.1	210.6	267.1	314.2	330.6
67.5°	168.3	189.4	253.0	302.4	318.9
70°	142.4	170.6	240.0	289.5	305.9
72.5°	116.5	154.1	227.1	276.5	294.2
75°	94.1	137.7	214.1	263.6	281.2
77.5°	73.0	124.7	201.2	253.0	268.3
80°	52.9	110.6	189.4	240.0	256.5
82.5°	34.1	98.8	176.5	227.1	244.7
85°	20.0	85.9	163.6	215.3	231.8
87.5°	8.2	73.0	151.8	202.4	218.9
90°	0.0	62.4	138.8	189.4	205.9
92.5°	0.0	51.8	127.1	177.7	194.1
95°	0.0	40.0	114.1	164.7	181.2
97.5°	0.0	30.6	101.2	151.8	168.3
100°	0.0	23.5	88.2	136.5	154.1
102.5°	0.0	16.5	75.3	122.4	140.0
105°	0.0	9.4	64.7	109.4	124.7
107.5°	0.0	4.7	54.1	96.5	111.8
110°	0.0	1.2	43.5	83.5	97.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	34.1	71.8	85.9
115°	0.0	0.0	25.9	60.0	73.0
117.5°	0.0	0.0	17.6	49.4	61.2
120°	0.0	0.0	10.6	38.8	49.4
122.5°	0.0	0.0	4.7	29.4	38.8
125°	0.0	0.0	1.2	20.0	29.4
127.5°	0.0	0.0	0.0	11.8	20.0
130°	0.0	0.0	0.0	5.9	11.8
132.5°	0.0	0.0	0.0	1.2	4.7
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°	1.2	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)