

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: P289740

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-TS-30-L930-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2214.4 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

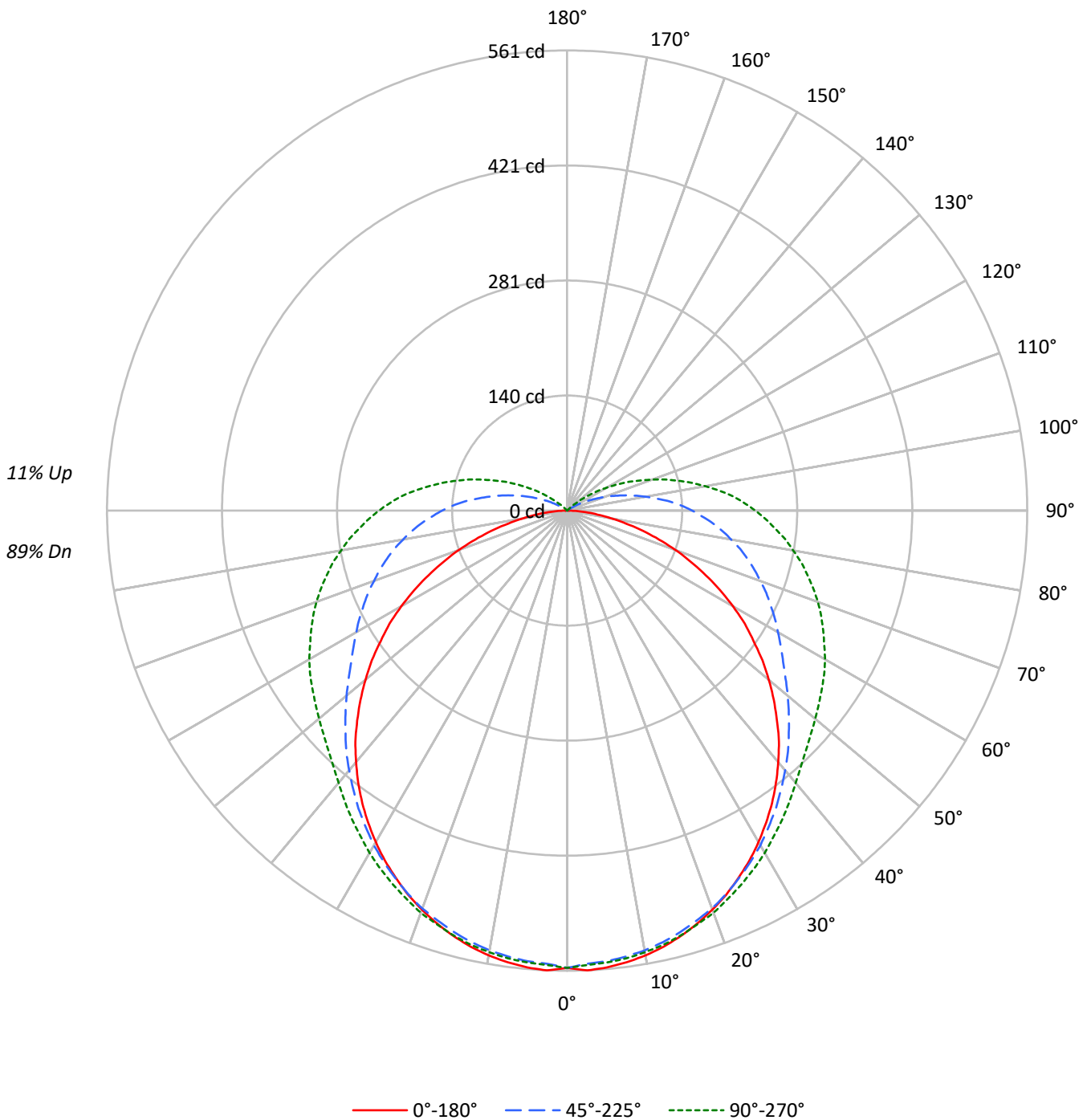
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	116	116	116	116	112	112	112	112	105	105	105		98	98	98		92	92	92	89
1	103	97	91	87	99	94	89	84	87	83	79		81	78	75		76	73	71	68
2	93	83	75	68	89	80	73	67	75	68	63		70	65	60		65	61	57	54
3	84	72	63	56	80	69	61	54	65	58	52		61	55	50		57	52	47	45
4	76	63	54	46	73	61	52	45	57	50	44		53	47	42		50	45	40	37
5	70	56	47	39	67	54	45	39	51	43	37		48	41	36		45	39	34	32
6	65	50	41	34	62	49	40	34	46	38	32		43	36	31		41	35	30	28
7	60	46	36	30	57	44	36	29	42	34	28		39	33	28		37	31	27	24
8	56	41	33	27	53	40	32	26	38	31	25		36	29	25		34	28	24	22
9	52	38	29	24	50	37	29	23	35	28	23		33	27	22		31	26	21	19
10	49	35	27	21	47	34	26	21	32	25	21		31	24	20		29	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35999	35999	35999
5°	36115	28607	26557
10°	35851	23739	21024
15°	35495	20152	17298
20°	35056	17393	14603
25°	34538	15119	12502
30°	33979	13260	10859
35°	33354	11651	9505
40°	32616	10257	8387
45°	31732	9048	7526
50°	30717	8004	6880
55°	29491	7124	6357
60°	28106	6445	5916
65°	26163	5869	5493
70°	23856	5346	5122
75°	20666	4866	4751
80°	16606	4392	4394
85°	11294	3927	4040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	2.4
10°-20°	151.1	6.8
20°-30°	229.4	10.4
30°-40°	278.9	12.6
40°-50°	297.6	13.4
50°-60°	291.9	13.2
60°-70°	266.7	12.0
70°-80°	226.3	10.2
80°-90°	176.1	8.0
90°-100°	124.2	5.6
100°-110°	73.8	3.3
110°-120°	35.0	1.6
120°-130°	10.1	0.5
130°-140°	0.6	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°	433.2	19.6
0°-40°	712.1	32.2
0°-60°	1301.6	58.8
0°-90°	1970.8	89.0
90°-120°	232.9	10.5
90°-150°	243.7	11.0
90°-180°	244.0	11.0
0°-180°	2214.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	557	557	557	557	557	
5°	559	557	552	555	553	53
15°	537	536	532	537	536	151
25°	494	494	495	503	503	228
35°	435	438	444	454	458	272
45°	362	368	382	402	412	279
55°	278	289	322	363	379	249
65°	186	210	274	326	344	185
75°	96	145	228	284	303	101
85°	22	92	178	235	255	25
90°	2	68	152	210	229	2
95°	2	46	126	182	203	1
105°	1	12	72	122	140	1
115°	1	1	29	67	83	1
125°	1	1	1	22	33	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°	557.4	557.4	557.4	557.4	557.4
2.5°	561.1	559.1	553.0	556.2	554.5
5°	559.1	557.1	551.6	554.8	553.0
7.5°	555.4	553.9	548.4	551.9	550.7
10°	550.7	549.3	544.4	548.4	546.7
12.5°	544.4	542.9	538.9	542.9	542.3
15°	536.8	535.7	532.2	536.8	536.0
17.5°	527.9	527.0	524.1	529.9	528.8
20°	517.8	517.2	516.3	521.5	521.8
22.5°	506.8	506.8	506.2	512.0	512.3
25°	494.1	494.4	494.9	502.7	502.7
27.5°	481.1	481.9	483.4	490.9	492.6
30°	466.6	468.0	471.2	479.3	481.9
32.5°	451.3	453.6	457.1	467.2	469.8
35°	435.4	437.7	443.5	454.5	458.2
37.5°	418.3	420.9	428.4	440.9	445.8
40°	400.4	403.3	413.4	429.0	433.4
42.5°	382.2	386.2	398.7	415.4	422.1
45°	361.9	368.0	382.2	402.4	412.0
47.5°	341.7	348.9	366.6	391.4	403.0
50°	320.9	329.0	351.0	381.6	394.9
52.5°	300.1	309.0	335.6	372.4	386.8
55°	277.5	289.4	321.5	363.4	379.0
57.5°	256.7	269.4	308.8	354.4	371.5
60°	233.3	249.5	296.9	345.2	363.1
62.5°	210.2	229.5	285.6	335.6	353.3
65°	186.5	210.5	273.8	326.1	344.3
67.5°	163.0	191.1	262.8	316.3	335.1
70°	140.8	174.3	250.6	306.2	325.2
72.5°	117.4	159.6	239.4	295.5	314.5
75°	95.7	145.1	227.5	283.9	303.3
77.5°	73.7	131.5	216.0	272.3	292.3
80°	55.2	118.8	203.2	260.2	279.8
82.5°	37.6	106.1	190.8	247.8	268.3
85°	22.5	92.5	178.4	235.0	254.7
87.5°	10.1	80.7	164.8	222.0	242.6
90°	1.7	68.5	152.4	209.6	229.3
92.5°	2.0	57.5	139.6	196.3	216.0
95°	1.7	46.0	125.8	181.6	202.7
97.5°	1.7	36.1	111.0	167.1	186.5
100°	1.4	26.9	96.8	151.8	170.9
102.5°	1.4	19.1	84.1	136.7	155.8
105°	1.4	12.4	71.7	121.7	140.2
107.5°	1.4	6.9	59.6	107.3	126.0
110°	1.4	2.6	48.6	94.2	109.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	1.2	37.9	79.8	96.0
115°	1.2	1.2	29.2	66.8	82.7
117.5°	1.2	0.9	19.9	54.6	69.1
120°	1.2	0.9	12.4	43.7	56.1
122.5°	0.9	0.6	6.1	32.4	44.8
125°	0.9	0.6	1.4	22.3	32.7
127.5°	0.9	0.3	0.0	13.3	22.5
130°	0.6	0.3	0.0	6.4	13.3
132.5°	0.6	0.3	0.0	1.2	5.8
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)