

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: P289742

Luminaire Tested: **4SSRK-TS-30-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289742
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-L940-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2407.5 lumens
Efficiency: N/A
Efficacy: 118.0 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

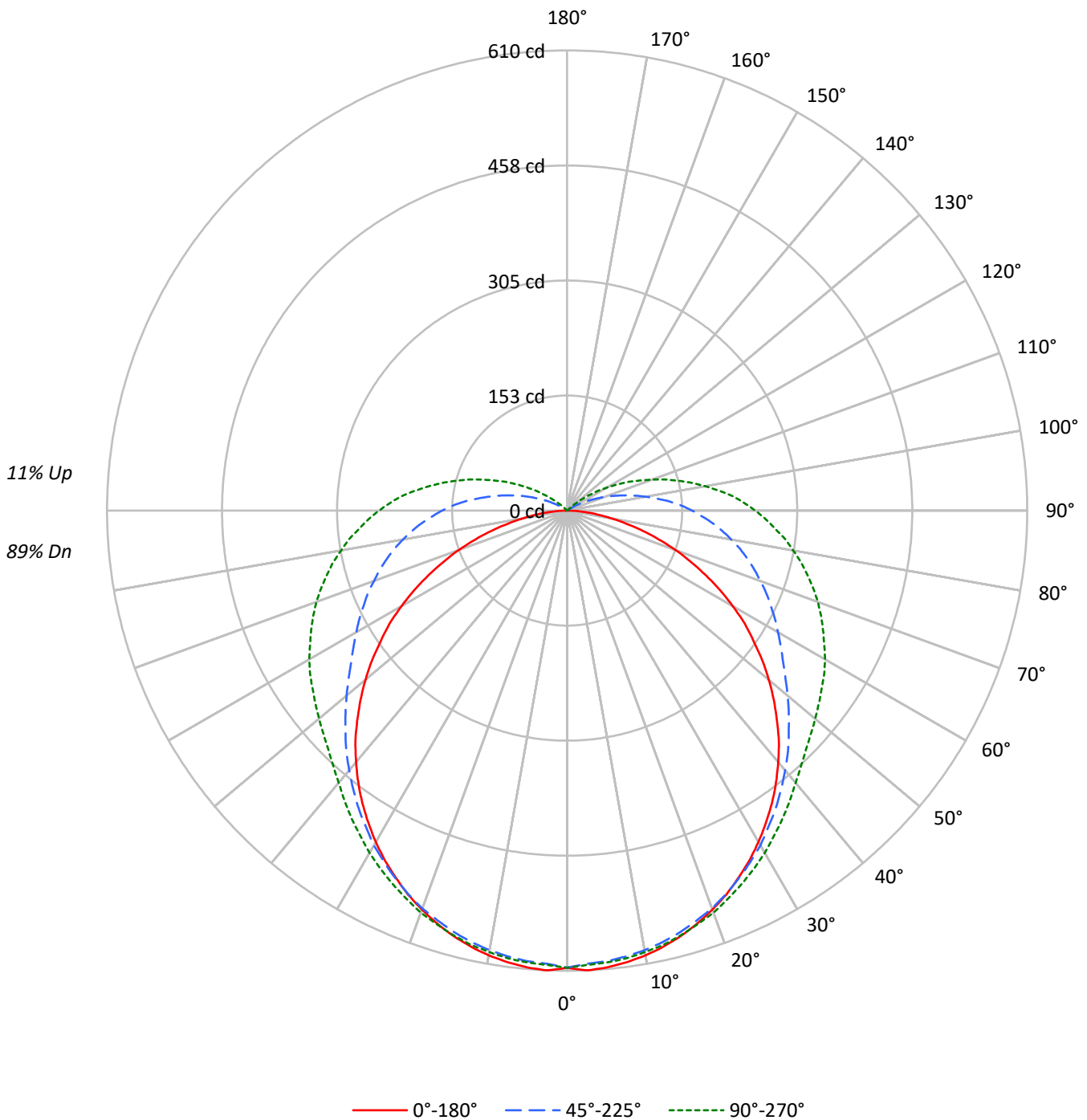
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	39137	39137	39137
5°	39267	31102	28877
10°	38976	25806	22854
15°	38596	21909	18805
20°	38109	18909	15876
25°	37544	16438	13594
30°	36943	14417	11806
35°	36258	12665	10334
40°	35459	11150	9117
45°	34502	9837	8182
50°	33397	8702	7479
55°	32063	7744	6911
60°	30552	7008	6432
65°	28435	6380	5972
70°	25940	5813	5569
75°	22459	5292	5165
80°	18050	4777	4777
85°	12298	4268	4392



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	2.4
10°-20°	164.3	6.8
20°-30°	249.4	10.4
30°-40°	303.2	12.6
40°-50°	323.6	13.4
50°-60°	317.3	13.2
60°-70°	289.9	12.0
70°-80°	246.1	10.2
80°-90°	191.5	8.0
90°-100°	135.0	5.6
100°-110°	80.2	3.3
110°-120°	38.0	1.6
120°-130°	11.0	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°	471.0	19.6
0°-40°	774.2	32.2
0°-60°	1415.1	58.8
0°-90°	2142.6	89.0
90°-120°	253.2	10.5
90°-150°	264.9	11.0
90°-180°	265.0	11.0
0°-180°	2407.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	606	606	606	606	606	
5°	608	606	600	603	601	58
15°	584	582	579	584	583	165
25°	537	538	538	547	547	248
35°	473	476	482	494	498	296
45°	394	400	416	438	448	304
55°	302	315	350	395	412	270
65°	203	229	298	354	374	201
75°	104	158	247	309	330	110
85°	24	101	194	256	277	27
90°	2	74	166	228	249	2
95°	2	50	137	197	220	2
105°	2	14	78	132	152	2
115°	1	1	32	73	90	1
125°	1	1	2	24	36	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°	606.0	606.0	606.0	606.0	606.0
2.5°	610.1	607.9	601.3	604.7	602.8
5°	607.9	605.7	599.7	603.1	601.3
7.5°	603.8	602.2	596.2	600.0	598.7
10°	598.7	597.2	591.8	596.2	594.3
12.5°	591.8	590.3	585.9	590.3	589.6
15°	583.7	582.4	578.6	583.7	582.7
17.5°	573.9	573.0	569.8	576.1	574.9
20°	562.9	562.3	561.3	567.0	567.3
22.5°	551.0	551.0	550.3	556.6	556.9
25°	537.1	537.5	538.1	546.6	546.6
27.5°	523.0	523.9	525.5	533.7	535.6
30°	507.3	508.9	512.3	521.1	523.9
32.5°	490.6	493.1	496.9	507.9	510.7
35°	473.3	475.9	482.1	494.1	498.2
37.5°	454.8	457.6	465.8	479.3	484.7
40°	435.3	438.4	449.4	466.4	471.1
42.5°	415.5	419.9	433.4	451.6	458.9
45°	393.5	400.1	415.5	437.5	447.9
47.5°	371.5	379.4	398.5	425.6	438.1
50°	348.9	357.7	381.6	414.9	429.3
52.5°	326.2	336.0	364.9	404.8	420.5
55°	301.7	314.6	349.5	395.1	412.0
57.5°	279.1	292.9	335.7	385.3	403.9
60°	253.6	271.2	322.8	375.3	394.8
62.5°	228.5	249.6	310.5	364.9	384.1
65°	202.7	228.8	297.6	354.5	374.3
67.5°	177.3	207.8	285.7	343.8	364.3
70°	153.1	189.5	272.5	332.8	353.6
72.5°	127.6	173.5	260.2	321.2	342.0
75°	104.0	157.8	247.4	308.6	329.7
77.5°	80.1	143.0	234.8	296.1	317.8
80°	60.0	129.2	221.0	282.9	304.2
82.5°	40.9	115.3	207.4	269.4	291.7
85°	24.5	100.6	193.9	255.5	276.9
87.5°	11.0	87.7	179.2	241.4	263.7
90°	1.9	74.5	165.6	227.9	249.2
92.5°	2.2	62.5	151.8	213.4	234.8
95°	1.9	50.0	136.7	197.4	220.3
97.5°	1.9	39.3	120.7	181.7	202.7
100°	1.6	29.2	105.3	165.0	185.8
102.5°	1.6	20.7	91.5	148.7	169.4
105°	1.6	13.5	77.9	132.3	152.4
107.5°	1.6	7.5	64.7	116.6	137.0
110°	1.6	2.8	52.8	102.5	119.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	1.3	41.2	86.7	104.3
115°	1.3	1.3	31.7	72.6	89.9
117.5°	1.3	0.9	21.7	59.4	75.1
120°	1.3	0.9	13.5	47.5	61.0
122.5°	0.9	0.6	6.6	35.2	48.7
125°	0.9	0.6	1.6	24.2	35.5
127.5°	0.9	0.3	0.0	14.5	24.5
130°	0.6	0.3	0.0	6.9	14.5
132.5°	0.6	0.3	0.0	1.3	6.3
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)