

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: P289772

Luminaire Tested: **8SSRK-TS-40-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289772
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: 8SSRK-TS-40-L930-CD1-U
Description: 4000 LUMEN, 8 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: 2925.1 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

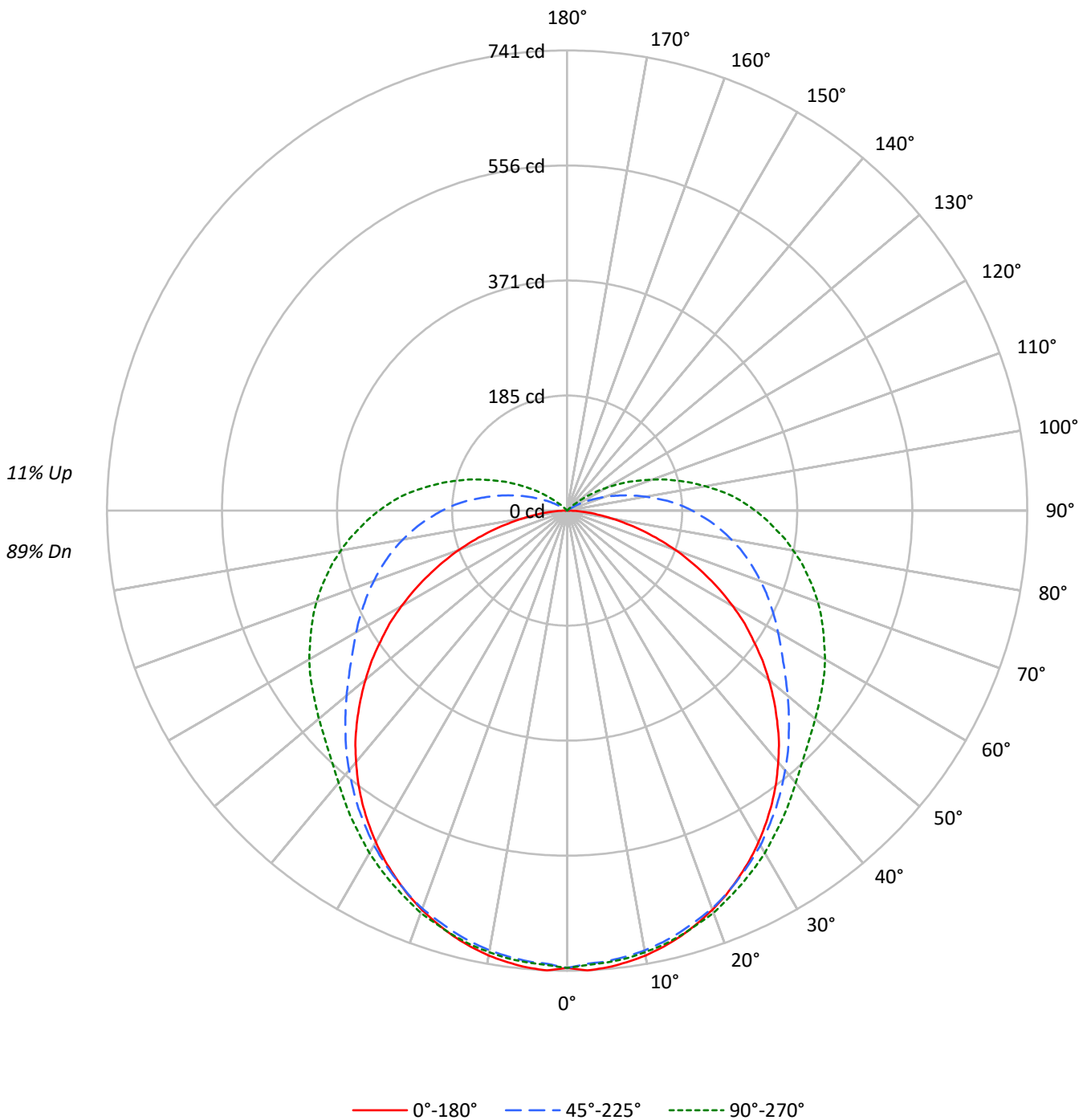
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	23776	23776	23776
5°	23898	18913	17541
10°	23767	15706	13885
15°	23577	13339	11424
20°	23328	11518	9645
25°	23028	10016	8258
30°	22711	8787	7173
35°	22345	7721	6278
40°	21912	6799	5539
45°	21388	5998	4970
50°	20779	5307	4545
55°	20043	4725	4199
60°	19211	4275	3907
65°	18014	3893	3628
70°	16610	3548	3383
75°	14633	3229	3138
80°	12124	2916	2903
85°	8918	2606	2668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	2.4
10°-20°	199.6	6.8
20°-30°	303.1	10.4
30°-40°	368.4	12.6
40°-50°	393.2	13.4
50°-60°	385.6	13.2
60°-70°	352.3	12.0
70°-80°	299.0	10.2
80°-90°	232.7	8.0
90°-100°	164.0	5.6
100°-110°	97.5	3.3
110°-120°	46.1	1.6
120°-130°	13.4	0.5
130°-140°	0.8	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°	572.3	19.6
0°-40°	940.7	32.2
0°-60°	1719.4	58.8
0°-90°	2603.3	89.0
90°-120°	307.7	10.5
90°-150°	321.8	11.0
90°-180°	322.0	11.0
0°-180°	2925.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	739	736	729	733	730	70
15°	709	708	703	709	708	200
25°	653	653	654	664	664	301
35°	575	578	586	600	605	360
45°	478	486	505	532	544	369
55°	367	382	425	480	501	328
65°	246	278	362	431	455	244
75°	126	192	300	375	401	134
85°	30	122	236	310	336	33
90°	2	90	201	277	303	3
95°	2	61	166	240	268	2
105°	2	16	95	161	185	2
115°	2	2	39	88	109	2
125°	1	1	2	29	43	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°	736.3	736.3	736.3	736.3	736.3
2.5°	741.2	738.6	730.5	734.7	732.5
5°	738.6	735.9	728.6	732.8	730.5
7.5°	733.6	731.7	724.4	729.0	727.5
10°	727.5	725.6	719.1	724.4	722.1
12.5°	719.1	717.2	711.8	717.2	716.4
15°	709.2	707.6	703.0	709.2	708.0
17.5°	697.3	696.2	692.4	700.0	698.5
20°	684.0	683.2	682.0	688.9	689.3
22.5°	669.4	669.4	668.7	676.3	676.7
25°	652.6	653.0	653.8	664.1	664.1
27.5°	635.5	636.6	638.5	648.4	650.7
30°	616.4	618.3	622.5	633.2	636.6
32.5°	596.1	599.2	603.8	617.1	620.6
35°	575.1	578.2	585.8	600.3	605.3
37.5°	552.6	556.0	566.0	582.4	588.9
40°	528.9	532.7	546.1	566.7	572.4
42.5°	504.8	510.2	526.6	548.8	557.5
45°	478.1	486.1	504.8	531.6	544.2
47.5°	451.4	460.9	484.2	517.1	532.3
50°	423.9	434.6	463.6	504.1	521.7
52.5°	396.4	408.2	443.4	491.9	511.0
55°	366.6	382.3	424.7	480.0	500.6
57.5°	339.1	355.9	407.9	468.2	490.7
60°	308.2	329.6	392.2	456.0	479.6
62.5°	277.6	303.2	377.3	443.4	466.7
65°	246.3	278.0	361.6	430.8	454.8
67.5°	215.4	252.4	347.1	417.8	442.6
70°	186.0	230.3	331.1	404.4	429.6
72.5°	155.0	210.8	316.2	390.3	415.5
75°	126.4	191.7	300.5	375.0	400.6
77.5°	97.4	173.8	285.3	359.7	386.1
80°	72.9	157.0	268.5	343.7	369.7
82.5°	49.6	140.2	252.0	327.3	354.4
85°	29.8	122.2	235.6	310.5	336.4
87.5°	13.4	106.5	217.7	293.3	320.4
90°	2.3	90.5	201.3	276.9	302.8
92.5°	2.7	76.0	184.4	259.3	285.3
95°	2.3	60.7	166.1	239.8	267.7
97.5°	2.3	47.7	146.6	220.7	246.3
100°	1.9	35.5	127.9	200.5	225.7
102.5°	1.9	25.2	111.1	180.6	205.8
105°	1.9	16.4	94.7	160.8	185.2
107.5°	1.9	9.2	78.7	141.7	166.5
110°	1.9	3.4	64.2	124.5	145.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	1.5	50.0	105.4	126.8
115°	1.5	1.5	38.6	88.2	109.2
117.5°	1.5	1.1	26.3	72.2	91.3
120°	1.5	1.1	16.4	57.7	74.1
122.5°	1.1	0.8	8.0	42.8	59.2
125°	1.1	0.8	1.9	29.4	43.2
127.5°	1.1	0.4	0.0	17.6	29.8
130°	0.8	0.4	0.0	8.4	17.6
132.5°	0.8	0.4	0.0	1.5	7.6
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)