

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: P289756

Luminaire Tested: **4SSRK-TS-60-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289756
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-60-L930-CD1-U
Description: 6000 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: 4464.4 lumens
Efficiency: N/A
Efficacy: 99.7 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

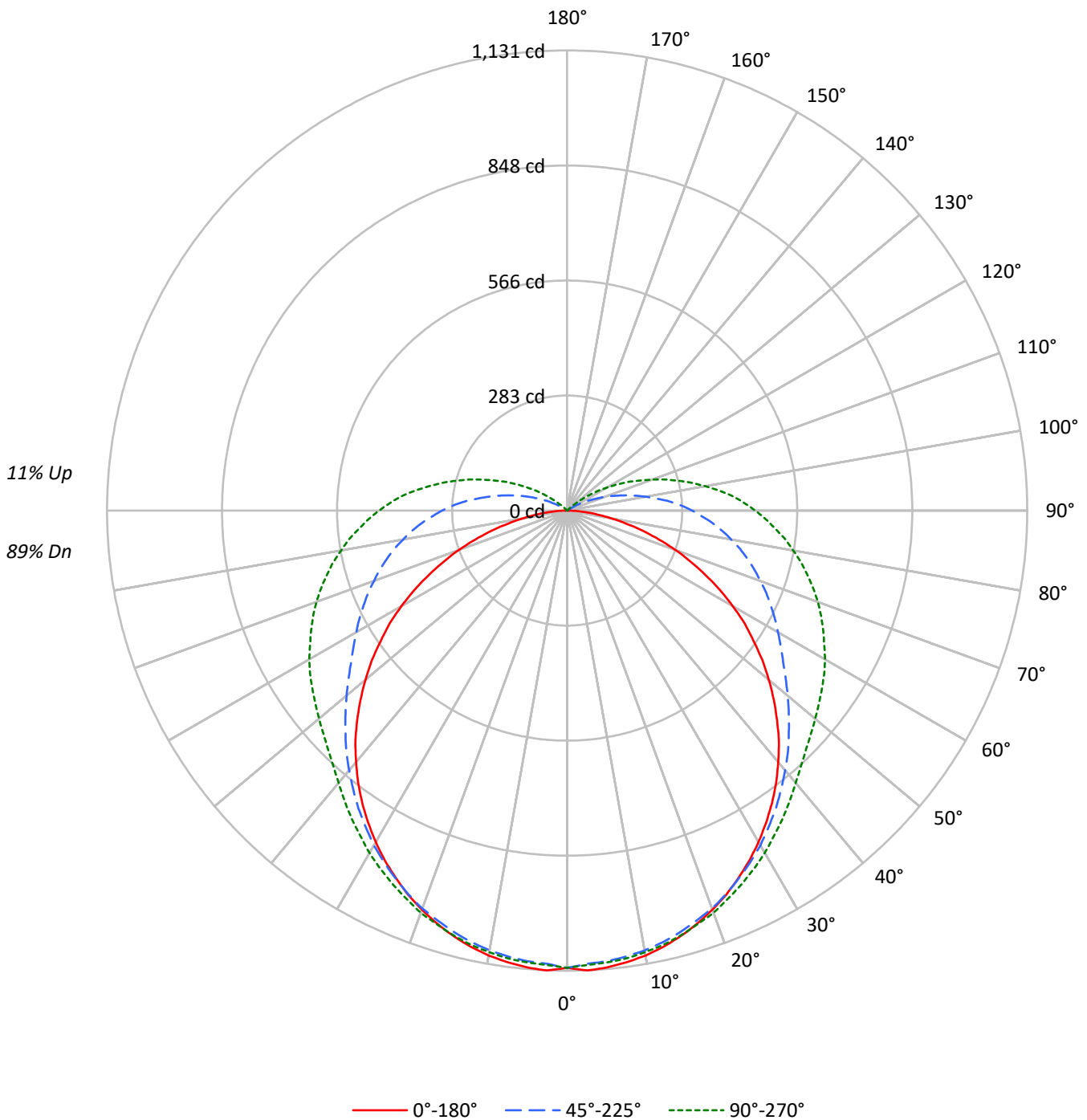
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P289756

CATALOG NUMBER: 4SSRK-TS-60-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P289756

CATALOG NUMBER: 4SSRK-TS-60-L930-CD1-U

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°	72572	72572	72572
5°	72811	57671	53546
10°	72282	47857	42382
15°	71565	40629	34873
20°	70673	35065	29440
25°	69629	30482	25206
30°	68504	26734	21894
35°	67237	23489	19163
40°	65754	20680	16908
45°	63981	18241	15171
50°	61921	16136	13870
55°	59460	14361	12817
60°	56658	12995	11926
65°	52732	11831	11076
70°	48085	10779	10327
75°	41657	9812	9578
80°	33482	8855	8859
85°	22839	7915	8144



TEST NUMBER: P289756

CATALOG NUMBER: 4SSRK-TS-60-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	2.4
10°-20°	304.6	6.8
20°-30°	462.5	10.4
30°-40°	562.2	12.6
40°-50°	600.0	13.4
50°-60°	588.5	13.2
60°-70°	537.6	12.0
70°-80°	456.3	10.2
80°-90°	355.1	8.0
90°-100°	250.3	5.6
100°-110°	148.8	3.3
110°-120°	70.4	1.6
120°-130°	20.4	0.5
130°-140°	1.2	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°	873.4	19.6
0°-40°	1435.7	32.2
0°-60°	2624.2	58.8
0°-90°	3973.2	89.0
90°-120°	469.6	10.5
90°-150°	491.2	11.0
90°-180°	491.0	11.0
0°-180°	4464.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1124	1124	1124	1124	1124	
5°	1127	1123	1112	1118	1115	107
15°	1082	1080	1073	1082	1081	305
25°	996	997	998	1014	1014	459
35°	878	882	894	916	924	549
45°	730	742	770	811	830	563
55°	560	583	648	733	764	501
65°	376	424	552	657	694	372
75°	193	293	459	572	611	204
85°	46	186	360	474	514	51
90°	4	138	307	423	462	4
95°	4	93	254	366	409	3
105°	3	25	144	245	283	3
115°	2	2	59	135	167	2
125°	2	1	3	45	66	2
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



TEST NUMBER: P289756

CATALOG NUMBER: 4SSRK-TS-60-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1123.7	1123.7	1123.7	1123.7	1123.7
2.5°	1131.3	1127.2	1115.0	1121.4	1117.9
5°	1127.2	1123.1	1112.0	1118.5	1115.0
7.5°	1119.6	1116.7	1105.6	1112.6	1110.3
10°	1110.3	1107.4	1097.5	1105.6	1102.1
12.5°	1097.5	1094.6	1086.4	1094.6	1093.4
15°	1082.3	1080.0	1073.0	1082.3	1080.6
17.5°	1064.3	1062.5	1056.7	1068.3	1066.0
20°	1043.9	1042.7	1040.9	1051.4	1052.0
22.5°	1021.7	1021.7	1020.5	1032.2	1032.8
25°	996.1	996.6	997.8	1013.5	1013.5
27.5°	969.8	971.6	974.5	989.6	993.1
30°	940.7	943.6	950.0	966.3	971.6
32.5°	909.8	914.5	921.5	941.9	947.1
35°	877.7	882.4	894.1	916.2	923.8
37.5°	843.4	848.6	863.8	888.8	898.7
40°	807.2	813.1	833.5	864.9	873.7
42.5°	770.5	778.7	803.7	837.5	850.9
45°	729.7	741.9	770.5	811.3	830.5
47.5°	688.9	703.5	739.0	789.2	812.5
50°	646.9	663.3	707.6	769.3	796.1
52.5°	605.0	623.0	676.7	750.7	779.8
55°	559.5	583.4	648.1	732.6	764.1
57.5°	517.6	543.2	622.5	714.6	748.9
60°	470.3	503.0	598.6	695.9	732.0
62.5°	423.7	462.8	575.8	676.7	712.2
65°	375.9	424.3	551.9	657.4	694.2
67.5°	328.7	385.3	529.8	637.6	675.5
70°	283.8	351.4	505.3	617.2	655.7
72.5°	236.6	321.7	482.6	595.7	634.1
75°	192.9	292.6	458.7	572.3	611.4
77.5°	148.6	265.2	435.4	549.0	589.2
80°	111.3	239.5	409.7	524.5	564.2
82.5°	75.8	213.9	384.7	499.5	540.9
85°	45.5	186.5	359.6	473.8	513.5
87.5°	20.4	162.6	332.2	447.6	489.0
90°	3.5	138.1	307.2	422.6	462.2
92.5°	4.1	116.0	281.5	395.7	435.4
95°	3.5	92.7	253.5	366.0	408.6
97.5°	3.5	72.9	223.8	336.9	375.9
100°	2.9	54.2	195.2	306.0	344.5
102.5°	2.9	38.5	169.6	275.7	314.1
105°	2.9	25.1	144.5	245.4	282.7
107.5°	2.9	14.0	120.1	216.2	254.1
110°	2.9	5.2	97.9	190.0	221.5



TEST NUMBER: P289756

CATALOG NUMBER: 4SSRK-TS-60-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	2.3	76.4	160.9	193.5
115°	2.3	2.3	58.9	134.6	166.7
117.5°	2.3	1.7	40.2	110.2	139.3
120°	2.3	1.7	25.1	88.0	113.1
122.5°	1.7	1.2	12.2	65.3	90.3
125°	1.7	1.2	2.9	44.9	65.9
127.5°	1.7	0.6	0.0	26.8	45.5
130°	1.2	0.6	0.0	12.8	26.8
132.5°	1.2	0.6	0.0	2.3	11.7
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)