

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: P289788

Luminaire Tested: **8SSRK-TS-60-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289788
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-60-L930-CD1-U
Description: 6000 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: 4427.6 lumens
Efficiency: N/A
Efficacy: 107.0 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

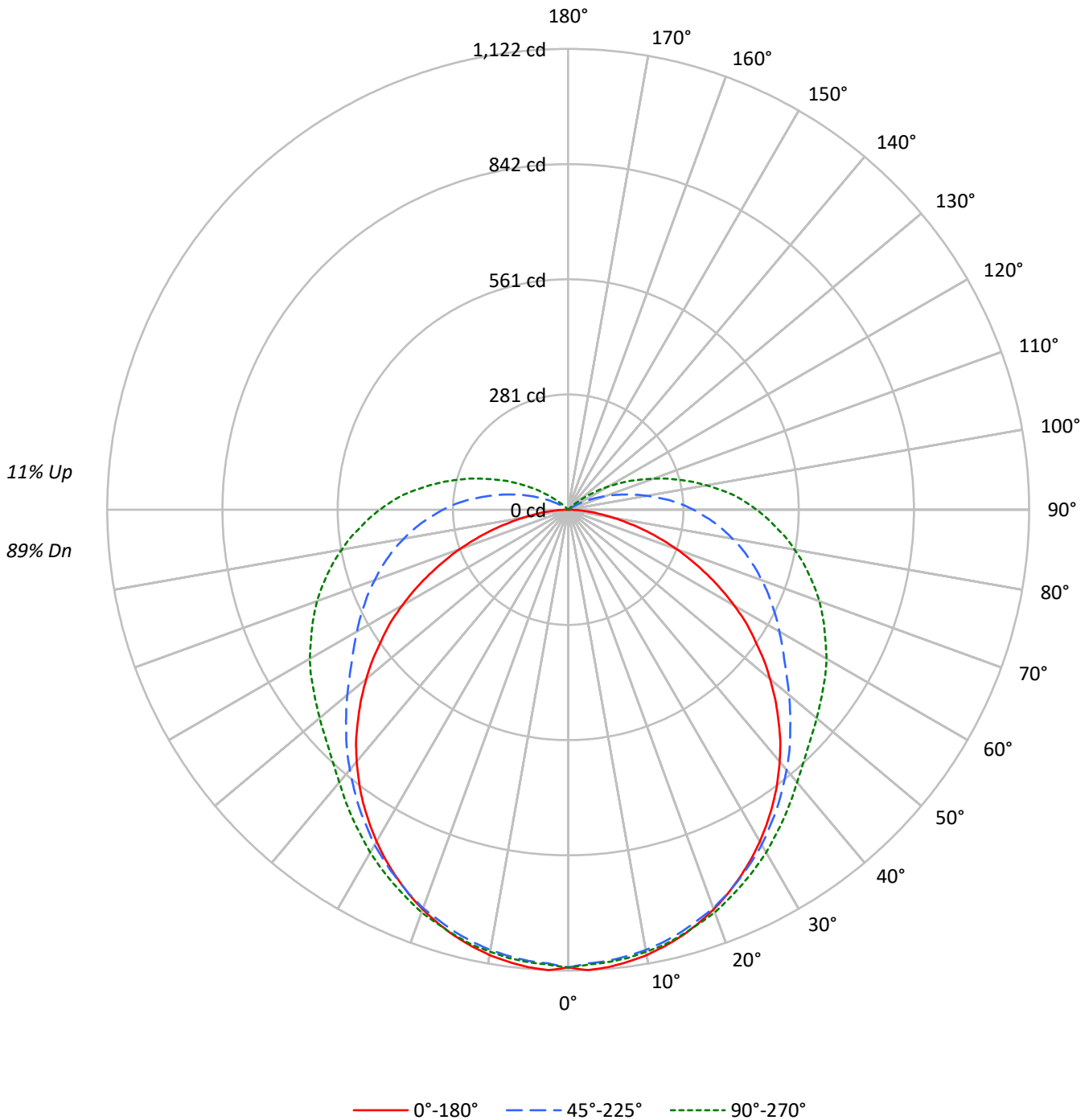
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	35989	35989	35989
5°	36171	28629	26552
10°	35976	23771	21018
15°	35685	20193	17293
20°	35309	17435	14600
25°	34860	15160	12500
30°	34372	13300	10857
35°	33822	11687	9502
40°	33168	10292	8384
45°	32375	9081	7523
50°	31451	8033	6878
55°	30337	7151	6356
60°	29079	6471	5914
65°	27267	5893	5492
70°	25139	5370	5121
75°	22146	4888	4750
80°	18361	4413	4393
85°	13496	3944	4038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.4	2.4
10°-20°	302.1	6.8
20°-30°	458.7	10.4
30°-40°	557.6	12.6
40°-50°	595.1	13.4
50°-60°	583.6	13.2
60°-70°	533.2	12.0
70°-80°	452.5	10.2
80°-90°	352.1	8.0
90°-100°	248.3	5.6
100°-110°	147.6	3.3
110°-120°	69.9	1.6
120°-130°	20.2	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°	866.2	19.6
0°-40°	1423.8	32.2
0°-60°	2602.6	58.8
0°-90°	3940.5	89.0
90°-120°	465.8	10.5
90°-150°	487.2	11.0
90°-180°	487.0	11.0
0°-180°	4427.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1114	1114	1114	1114	1114	
5°	1118	1114	1103	1109	1106	106
15°	1073	1071	1064	1073	1072	303
25°	988	988	990	1005	1005	455
35°	870	875	887	909	916	544
45°	724	736	764	805	824	558
55°	555	579	643	727	758	497
65°	373	421	547	652	688	369
75°	191	290	455	568	606	203
85°	45	185	357	470	509	50
90°	4	137	305	419	458	4
95°	4	92	251	363	405	3
105°	3	25	143	243	280	3
115°	2	2	58	134	165	2
125°	2	1	3	44	65	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1114.5	1114.5	1114.5	1114.5	1114.5
2.5°	1122.0	1117.9	1105.8	1112.1	1108.7
5°	1117.9	1113.9	1102.9	1109.2	1105.8
7.5°	1110.4	1107.5	1096.5	1103.5	1101.2
10°	1101.2	1098.3	1088.4	1096.5	1093.1
12.5°	1088.4	1085.5	1077.5	1085.5	1084.4
15°	1073.4	1071.1	1064.2	1073.4	1071.7
17.5°	1055.5	1053.8	1048.0	1059.5	1057.2
20°	1035.3	1034.1	1032.4	1042.8	1043.4
22.5°	1013.3	1013.3	1012.1	1023.7	1024.3
25°	987.9	988.4	989.6	1005.2	1005.2
27.5°	961.8	963.6	966.5	981.5	985.0
30°	932.9	935.8	942.2	958.4	963.6
32.5°	902.3	906.9	913.9	934.1	939.3
35°	870.5	875.1	886.7	908.7	916.2
37.5°	836.4	841.6	856.6	881.5	891.3
40°	800.6	806.4	826.6	857.8	866.5
42.5°	764.2	772.3	797.1	830.6	843.9
45°	723.7	735.8	764.2	804.6	823.7
47.5°	683.2	697.7	732.9	782.7	805.8
50°	641.6	657.8	701.7	763.0	789.6
52.5°	600.0	617.9	671.1	744.5	773.4
55°	554.9	578.6	642.8	726.6	757.8
57.5°	513.3	538.7	617.3	708.7	742.8
60°	466.5	498.8	593.6	690.2	726.0
62.5°	420.2	459.0	571.1	671.1	706.4
65°	372.8	420.8	547.4	652.0	688.4
67.5°	326.0	382.1	525.4	632.4	669.9
70°	281.5	348.6	501.2	612.1	650.3
72.5°	234.7	319.1	478.6	590.8	628.9
75°	191.3	290.2	454.9	567.6	606.4
77.5°	147.4	263.0	431.8	544.5	584.4
80°	110.4	237.6	406.4	520.2	559.5
82.5°	75.1	212.1	381.5	495.4	536.4
85°	45.1	185.0	356.6	469.9	509.2
87.5°	20.2	161.3	329.5	443.9	485.0
90°	3.5	137.0	304.6	419.1	458.4
92.5°	4.0	115.0	279.2	392.5	431.8
95°	3.5	91.9	251.4	363.0	405.2
97.5°	3.5	72.3	222.0	334.1	372.8
100°	2.9	53.8	193.6	303.5	341.6
102.5°	2.9	38.2	168.2	273.4	311.6
105°	2.9	24.9	143.4	243.4	280.3
107.5°	2.9	13.9	119.1	214.5	252.0
110°	2.9	5.2	97.1	188.4	219.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	2.3	75.7	159.5	191.9
115°	2.3	2.3	58.4	133.5	165.3
117.5°	2.3	1.7	39.9	109.2	138.2
120°	2.3	1.7	24.9	87.3	112.1
122.5°	1.7	1.2	12.1	64.7	89.6
125°	1.7	1.2	2.9	44.5	65.3
127.5°	1.7	0.6	0.0	26.6	45.1
130°	1.2	0.6	0.0	12.7	26.6
132.5°	1.2	0.6	0.0	2.3	11.6
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)