

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: P289791

Luminaire Tested: **8SSRK-TS-60-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289791
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-L950-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5126.6 lumens
Efficiency: N/A
Efficacy: 123.9 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

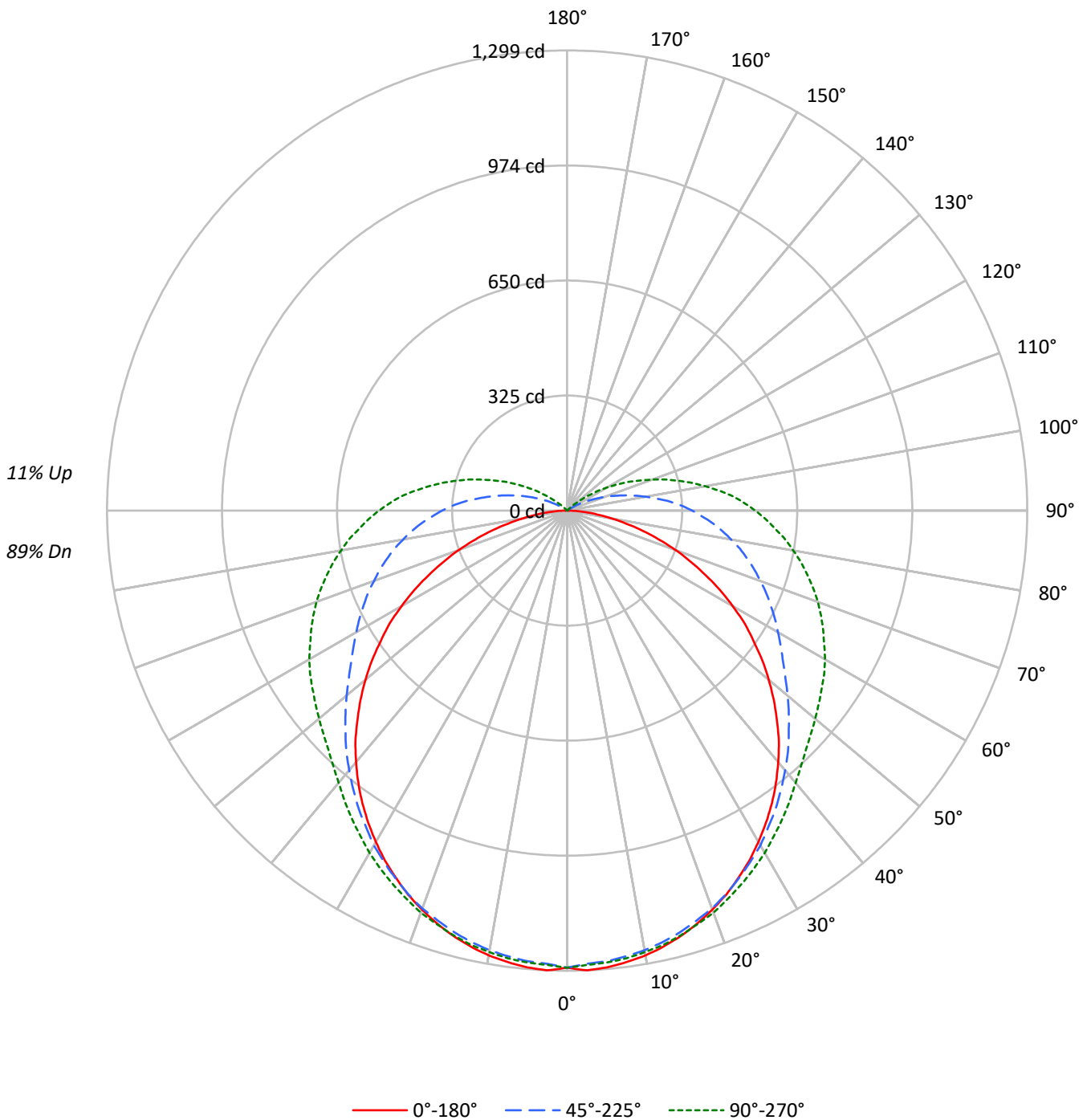
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	41669	41669	41669
5°	41881	33148	30742
10°	41654	27526	24335
15°	41320	23381	20023
20°	40882	20186	16904
25°	40361	17553	14473
30°	39799	15399	12571
35°	39161	13533	11002
40°	38405	11916	9708
45°	37484	10514	8711
50°	36417	9301	7964
55°	35127	8279	7359
60°	33666	7493	6848
65°	31575	6824	6359
70°	29104	6218	5929
75°	25642	5660	5500
80°	21254	5109	5087
85°	15621	4568	4676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	2.4
10°-20°	349.8	6.8
20°-30°	531.1	10.4
30°-40°	645.6	12.6
40°-50°	689.0	13.4
50°-60°	675.8	13.2
60°-70°	617.4	12.0
70°-80°	524.0	10.2
80°-90°	407.7	8.0
90°-100°	287.5	5.6
100°-110°	170.9	3.3
110°-120°	80.9	1.6
120°-130°	23.4	0.5
130°-140°	1.4	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°	1003.0	19.6
0°-40°	1648.6	32.2
0°-60°	3013.4	58.8
0°-90°	4562.5	89.0
90°-120°	539.3	10.5
90°-150°	564.1	11.0
90°-180°	564.0	11.0
0°-180°	5126.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1290	1290	1290	1290	1290	
5°	1294	1290	1277	1284	1280	123
15°	1243	1240	1232	1243	1241	351
25°	1144	1144	1146	1164	1164	527
35°	1008	1013	1027	1052	1061	630
45°	838	852	885	932	954	646
55°	642	670	744	841	877	575
65°	432	487	634	755	797	428
75°	222	336	527	657	702	235
85°	52	214	413	544	590	58
90°	4	159	353	485	531	5
95°	4	106	291	420	469	3
105°	3	29	166	282	325	3
115°	3	3	68	155	191	3
125°	2	1	3	52	76	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°	1290.4	1290.4	1290.4	1290.4	1290.4
2.5°	1299.1	1294.4	1280.3	1287.7	1283.7
5°	1294.4	1289.7	1277.0	1284.4	1280.3
7.5°	1285.7	1282.4	1269.6	1277.7	1275.0
10°	1275.0	1271.6	1260.3	1269.6	1265.6
12.5°	1260.3	1256.9	1247.6	1256.9	1255.6
15°	1242.9	1240.2	1232.2	1242.9	1240.9
17.5°	1222.1	1220.1	1213.4	1226.8	1224.1
20°	1198.7	1197.4	1195.3	1207.4	1208.1
22.5°	1173.3	1173.3	1171.9	1185.3	1186.0
25°	1143.8	1144.5	1145.8	1163.9	1163.9
27.5°	1113.7	1115.7	1119.0	1136.5	1140.5
30°	1080.2	1083.6	1090.9	1109.7	1115.7
32.5°	1044.8	1050.1	1058.1	1081.6	1087.6
35°	1007.9	1013.3	1026.7	1052.1	1060.8
37.5°	968.5	974.5	991.9	1020.7	1032.0
40°	927.0	933.7	957.1	993.2	1003.3
42.5°	884.8	894.2	922.9	961.8	977.2
45°	837.9	852.0	884.8	931.6	953.7
47.5°	791.1	807.8	848.7	906.2	933.0
50°	742.9	761.7	812.5	883.5	914.2
52.5°	694.7	715.5	777.0	862.0	895.5
55°	642.5	670.0	744.2	841.3	877.4
57.5°	594.3	623.8	714.8	820.5	860.0
60°	540.1	577.6	687.4	799.1	840.6
62.5°	486.6	531.4	661.3	777.0	817.9
65°	431.7	487.2	633.8	755.0	797.1
67.5°	377.5	442.4	608.4	732.2	775.7
70°	325.9	403.6	580.3	708.8	752.9
72.5°	271.7	369.4	554.2	684.0	728.2
75°	221.5	336.0	526.7	657.2	702.1
77.5°	170.7	304.5	500.0	630.5	676.7
80°	127.8	275.1	470.5	602.4	647.9
82.5°	87.0	245.6	441.7	573.6	621.1
85°	52.2	214.2	413.0	544.1	589.6
87.5°	23.4	186.7	381.5	514.0	561.5
90°	4.0	158.6	352.7	485.2	530.7
92.5°	4.7	133.2	323.3	454.4	500.0
95°	4.0	106.4	291.1	420.3	469.2
97.5°	4.0	83.7	257.0	386.8	431.7
100°	3.3	62.2	224.2	351.4	395.5
102.5°	3.3	44.2	194.8	316.6	360.7
105°	3.3	28.8	166.0	281.8	324.6
107.5°	3.3	16.1	137.9	248.3	291.8
110°	3.3	6.0	112.4	218.2	254.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	2.7	87.7	184.7	222.2
115°	2.7	2.7	67.6	154.6	191.4
117.5°	2.7	2.0	46.2	126.5	160.0
120°	2.7	2.0	28.8	101.1	129.8
122.5°	2.0	1.3	14.1	75.0	103.7
125°	2.0	1.3	3.3	51.5	75.6
127.5°	2.0	0.7	0.0	30.8	52.2
130°	1.3	0.7	0.0	14.7	30.8
132.5°	1.3	0.7	0.0	2.7	13.4
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)