

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: P290492

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290492
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLW-60-L930-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4641.2 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

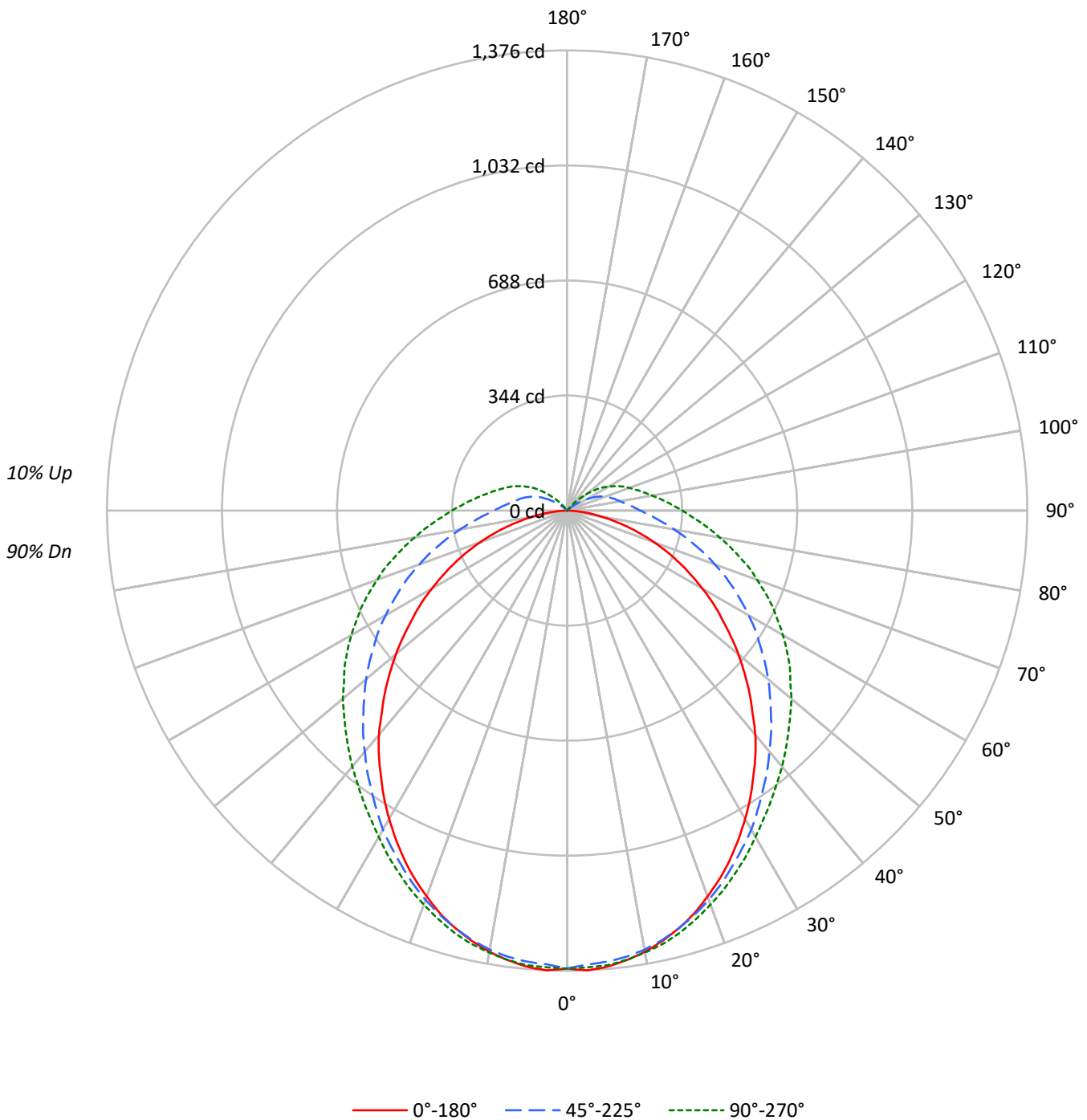
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44217	44217	44217
5°	44305	35155	32769
10°	43771	29111	25808
15°	42966	24523	21079
20°	41871	20919	17542
25°	40651	17941	14843
30°	39228	15551	12693
35°	37708	13447	11013
40°	36280	11716	9676
45°	34495	10241	8547
50°	32784	8985	7628
55°	30906	7839	6816
60°	29110	6836	6070
65°	27099	5905	5404
70°	24674	5035	4756
75°	21474	4236	4170
80°	17396	3527	3635
85°	12269	2941	3167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.4	2.8
10°-20°	366.0	7.9
20°-30°	541.4	11.7
30°-40°	639.4	13.8
40°-50°	664.7	14.3
50°-60°	626.7	13.5
60°-70°	534.2	11.5
70°-80°	404.0	8.7
80°-90°	272.6	5.9
90°-100°	187.2	4.0
100°-110°	134.2	2.9
110°-120°	86.1	1.9
120°-130°	43.9	0.9
130°-140°	11.2	0.2
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1036.8	22.3
0°-40°	1676.2	36.1
0°-60°	2967.7	63.9
0°-90°	4178.5	90.0
90°-120°	407.5	8.8
90°-150°	462.8	10.0
90°-180°	463.0	10.0
0°-180°	4641.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1369	1369	1369	1369	1369	
5°	1369	1366	1354	1367	1365	130
15°	1292	1296	1292	1305	1306	364
25°	1152	1165	1171	1191	1194	530
35°	970	994	1020	1051	1062	608
45°	771	809	862	915	936	595
55°	565	624	705	780	813	507
65°	370	446	548	639	677	368
75°	186	276	394	495	532	198
85°	41	138	266	364	399	47
90°	1	98	218	312	344	2
95°	1	78	186	268	298	1
105°	1	50	141	203	226	1
115°	1	6	98	153	172	1
125°	1	2	41	95	114	1
135°	1	1	1	30	44	1
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°	1369.3	1369.3	1369.3	1369.3	1369.3
2.5°	1376.3	1371.6	1358.3	1369.9	1367.0
5°	1369.3	1365.9	1354.3	1367.0	1364.7
7.5°	1356.0	1355.4	1346.2	1359.5	1355.4
10°	1339.8	1340.4	1332.9	1346.2	1342.2
12.5°	1317.9	1320.2	1315.0	1327.7	1327.1
15°	1292.4	1296.5	1292.4	1305.2	1306.3
17.5°	1263.5	1269.9	1267.0	1282.6	1280.9
20°	1227.7	1236.4	1238.7	1254.3	1253.7
22.5°	1191.9	1202.9	1206.9	1223.1	1225.4
25°	1152.0	1165.3	1171.1	1191.3	1193.6
27.5°	1108.6	1126.0	1136.4	1156.6	1161.8
30°	1064.7	1083.2	1101.7	1121.9	1126.6
32.5°	1019.0	1039.3	1060.7	1088.4	1093.6
35°	970.5	993.6	1020.2	1050.8	1061.8
37.5°	924.8	950.8	982.1	1017.9	1029.4
40°	875.7	902.3	941.0	981.5	1000.0
42.5°	820.8	856.6	902.9	951.4	967.6
45°	771.1	809.2	861.8	915.0	935.8
47.5°	719.1	763.6	823.1	882.1	904.6
50°	668.8	717.3	784.9	848.5	875.7
52.5°	616.7	671.7	745.1	815.6	841.0
55°	565.3	623.7	704.6	780.3	812.7
57.5°	519.1	578.6	668.2	745.6	778.6
60°	467.0	535.8	627.1	710.4	745.1
62.5°	419.1	489.0	586.7	675.1	709.8
65°	370.5	445.7	548.5	639.3	677.4
67.5°	324.8	400.6	509.8	604.0	640.4
70°	276.3	358.4	469.9	567.0	604.0
72.5°	231.8	316.2	432.9	531.2	571.1
75°	185.5	275.7	394.2	494.8	532.4
77.5°	144.5	236.4	359.5	460.7	498.3
80°	104.6	200.6	324.8	426.6	463.0
82.5°	71.1	167.6	294.2	395.4	431.2
85°	41.0	138.1	265.9	364.2	399.4
87.5°	15.6	115.0	240.5	337.0	369.4
90°	0.6	97.7	218.5	311.6	344.5
92.5°	0.6	85.5	201.7	288.4	319.1
95°	0.6	77.5	186.1	268.2	298.3
97.5°	1.2	71.1	172.2	250.3	276.9
100°	1.2	64.7	160.7	232.9	258.4
102.5°	1.2	58.4	150.3	217.3	241.0
105°	1.2	49.7	141.0	202.9	226.0
107.5°	1.2	38.7	130.6	190.7	211.0
110°	1.2	28.3	119.6	178.6	198.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	17.3	109.8	166.5	185.5
115°	1.2	6.4	97.7	153.2	172.2
117.5°	1.2	2.3	83.2	140.5	157.2
120°	1.2	1.7	69.4	126.6	143.3
122.5°	1.2	1.7	54.9	111.6	129.5
125°	1.2	1.7	41.0	95.4	114.4
127.5°	1.2	1.2	26.6	78.6	96.0
130°	1.2	1.2	12.7	62.4	79.2
132.5°	1.2	1.2	0.6	45.7	61.8
135°	1.2	0.6	0.6	30.1	44.5
137.5°	1.2	0.6	0.0	14.5	28.9
140°	1.2	0.6	0.0	0.0	11.6
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)