

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: P290412

Luminaire Tested: **8SSRK-SLN-80-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLN-80-L930-CD1-U
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6839.3 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 0.98 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

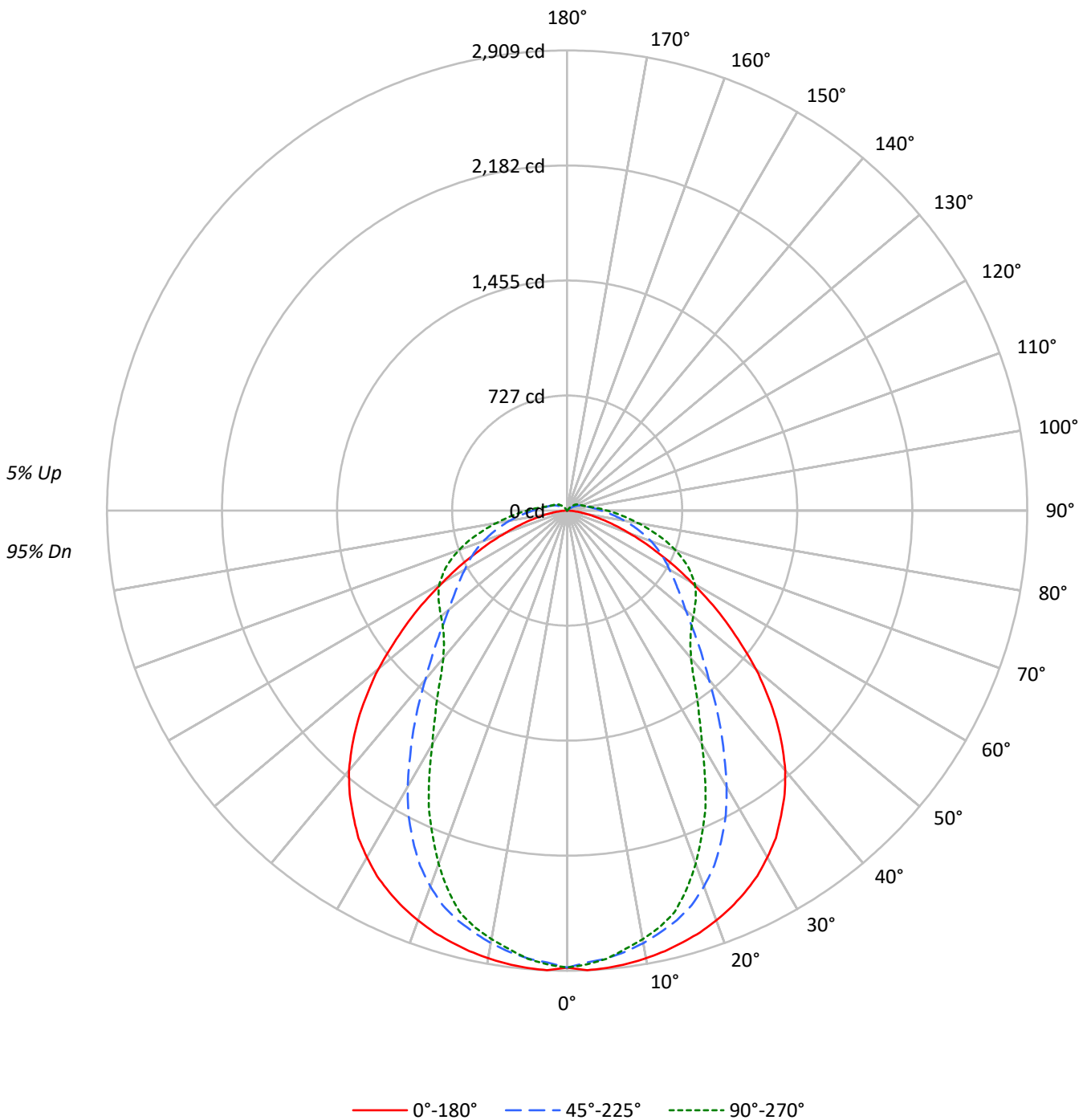
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95
1	107	102	98	94	104	100	96	92	94	91	88	90	87	85	85	83	81	79
2	98	90	83	77	95	87	81	76	83	78	73	79	75	71	75	72	69	66
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	63	59	56
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	60	52	47	57	51	46	55	49	45	43
6	71	58	49	43	68	56	48	42	54	47	42	52	46	41	50	45	40	38
7	66	53	44	38	64	52	44	38	50	42	37	48	41	37	46	40	36	34
8	61	48	40	34	60	47	40	34	46	39	34	44	38	33	43	37	33	31
9	57	44	37	31	56	44	36	31	42	35	31	41	35	30	40	34	30	28
10	54	41	34	28	53	41	33	28	39	33	28	38	32	28	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	93284	93284	93284
5°	93877	73778	68304
10°	93886	60642	52887
15°	93937	50857	42394
20°	94021	42701	33246
25°	93906	35322	25734
30°	93248	28465	19204
35°	91578	22329	14809
40°	88878	17364	11782
45°	83596	13792	10082
50°	76382	11180	9065
55°	67000	9459	8323
60°	56643	8149	7602
65°	46525	7078	6739
70°	37257	6028	5718
75°	28628	4975	4618
80°	20639	3990	3567
85°	13017	3120	2713



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.3	4.0
10°-20°	760.4	11.1
20°-30°	1069.3	15.6
30°-40°	1119.8	16.4
40°-50°	1013.8	14.8
50°-60°	862.8	12.6
60°-70°	682.3	10.0
70°-80°	464.5	6.8
80°-90°	265.1	3.9
90°-100°	147.0	2.1
100°-110°	89.8	1.3
110°-120°	54.6	0.8
120°-130°	29.6	0.4
130°-140°	9.0	0.1
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°	2101.0	30.7
0°-40°	3220.7	47.1
0°-60°	5097.3	74.5
0°-90°	6509.2	95.2
90°-120°	291.4	4.3
90°-150°	330.2	4.8
90°-180°	330.0	4.8
0°-180°	6839.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2889	2889	2889	2889	2889	
5°	2901	2883	2842	2855	2845	276
15°	2826	2772	2680	2652	2627	798
25°	2661	2529	2306	2127	2069	1226
35°	2357	2092	1694	1482	1428	1473
45°	1869	1484	1161	1100	1104	1435
55°	1226	936	850	948	992	1096
65°	636	552	657	803	845	641
75°	247	301	463	569	590	270
85°	44	143	282	337	342	52
90°	1	100	216	251	251	3
95°	2	77	170	188	186	1
105°	2	47	114	118	114	2
115°	2	6	77	89	87	1
125°	1	2	35	62	66	1
135°	2	2	2	25	33	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°	2888.8	2888.8	2888.8	2888.8	2888.8
2.5°	2908.6	2892.8	2859.6	2880.9	2871.4
5°	2901.4	2883.3	2842.2	2854.8	2844.6
7.5°	2890.4	2865.9	2813.0	2816.9	2797.1
10°	2873.8	2842.2	2776.6	2769.5	2750.5
12.5°	2852.5	2809.0	2730.0	2720.5	2698.4
15°	2825.6	2771.9	2680.2	2652.5	2627.3
17.5°	2795.6	2727.6	2616.2	2554.6	2511.1
20°	2756.8	2670.7	2528.5	2439.2	2376.0
22.5°	2713.4	2609.1	2429.7	2295.4	2223.5
25°	2661.2	2529.3	2305.7	2127.1	2069.4
27.5°	2603.6	2446.3	2170.6	1962.0	1885.3
30°	2530.9	2341.2	2016.5	1792.9	1704.4
32.5°	2455.0	2228.2	1849.0	1623.8	1555.0
35°	2357.0	2091.5	1694.1	1482.3	1427.8
37.5°	2258.3	1945.4	1540.0	1355.9	1307.7
40°	2145.3	1797.6	1394.6	1251.6	1217.6
42.5°	2010.9	1647.5	1271.4	1163.9	1152.0
45°	1868.7	1483.9	1160.7	1099.9	1103.8
47.5°	1713.8	1335.4	1060.4	1048.5	1068.3
50°	1558.2	1197.1	976.6	1009.8	1040.6
52.5°	1385.1	1063.5	910.3	978.2	1015.3
55°	1225.5	935.5	850.2	948.2	992.4
57.5°	1066.7	826.5	798.1	917.4	964.0
60°	908.7	726.9	747.5	884.2	933.2
62.5°	771.2	632.1	703.2	847.0	889.7
65°	636.1	552.3	657.4	802.8	844.7
67.5°	523.9	481.2	611.6	749.9	787.8
70°	417.2	414.0	562.6	691.4	726.2
72.5°	325.5	353.2	511.2	630.5	663.7
75°	247.3	301.0	463.0	568.9	589.5
77.5°	180.9	252.1	414.0	506.5	520.7
80°	124.1	209.4	367.4	444.1	454.3
82.5°	78.2	173.0	322.4	388.0	395.1
85°	43.5	143.0	282.1	337.4	342.1
87.5°	16.6	117.7	245.7	293.1	297.1
90°	0.8	99.6	215.7	251.3	251.3
92.5°	0.8	86.9	191.2	218.1	219.7
95°	1.6	76.6	169.9	188.1	186.5
97.5°	1.6	69.5	150.1	165.1	160.4
100°	1.6	63.2	135.1	145.4	140.6
102.5°	1.6	56.1	123.3	129.6	124.1
105°	1.6	46.6	113.8	118.5	113.8
107.5°	1.6	37.1	103.5	109.8	105.1
110°	1.6	27.7	94.0	101.9	98.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	17.4	85.3	94.8	92.4
115°	1.6	6.3	76.6	89.3	86.9
117.5°	0.8	3.2	65.6	83.0	82.2
120°	0.8	2.4	55.3	77.4	77.4
122.5°	0.8	2.4	45.8	69.5	72.7
125°	0.8	1.6	34.8	61.6	65.6
127.5°	0.8	1.6	24.5	53.7	58.5
130°	0.8	1.6	12.6	44.2	50.6
132.5°	0.8	1.6	1.6	34.8	41.9
135°	1.6	1.6	1.6	25.3	33.2
137.5°	1.6	1.6	1.6	13.4	23.7
140°	1.6	1.6	0.8	0.8	11.1
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)