

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: P290409

Luminaire Tested: **8SSRK-SLN-60-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290409
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-60-L835-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6322.3 lumens
Efficiency: N/A
Efficacy: 152.8 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

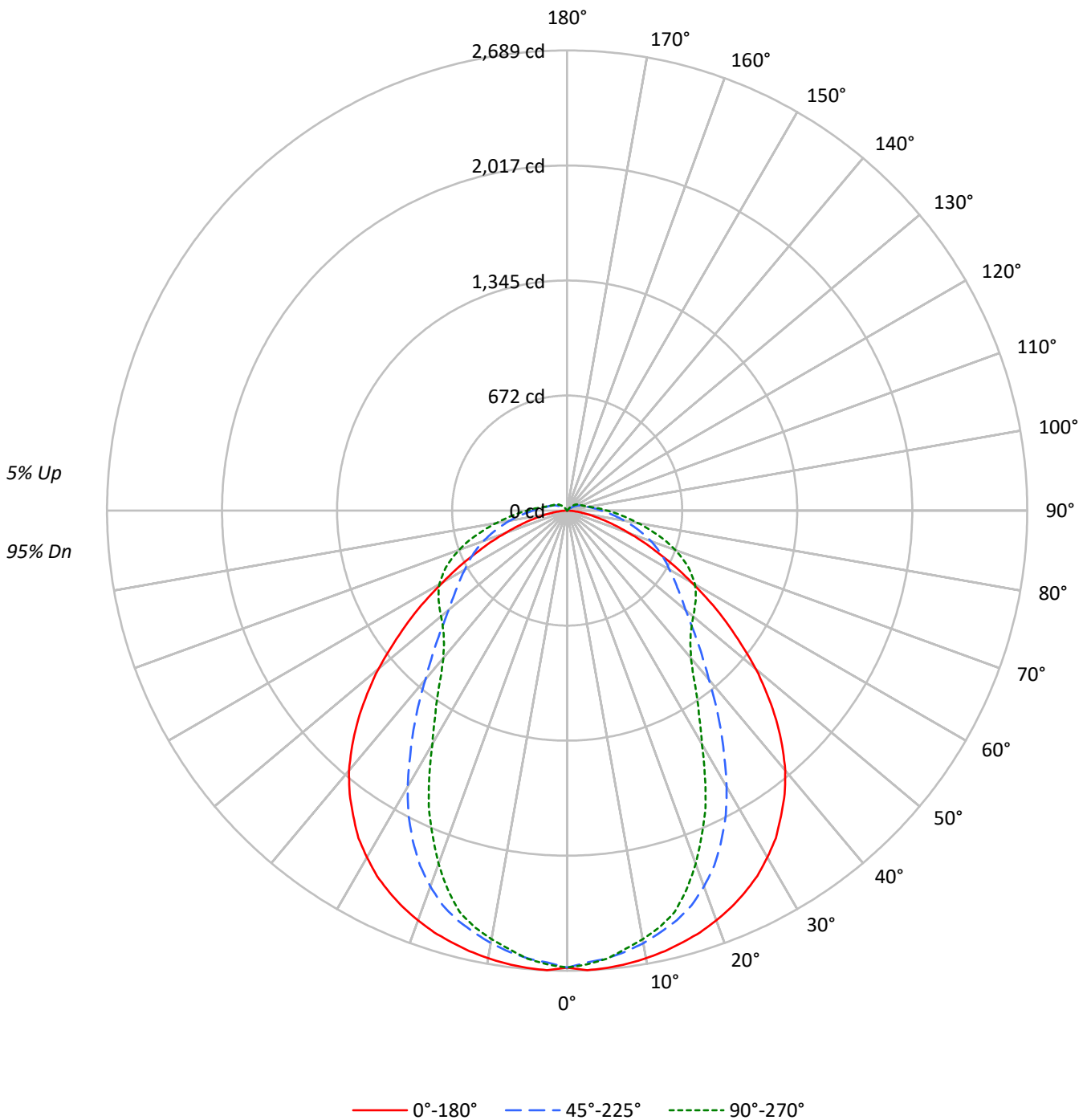
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	86231	86231	86231
5°	86782	68199	63139
10°	86787	56058	48889
15°	86836	47013	39188
20°	86914	39472	30733
25°	86809	32652	23789
30°	86196	26312	17751
35°	84655	20641	13690
40°	82158	16051	10892
45°	77275	12750	9320
50°	70608	10335	8380
55°	61938	8743	7694
60°	52360	7533	7027
65°	43007	6543	6229
70°	34444	5573	5286
75°	26464	4599	4268
80°	19076	3688	3298
85°	12030	2885	2508



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.8	4.0
10°-20°	702.9	11.1
20°-30°	988.4	15.6
30°-40°	1035.1	16.4
40°-50°	937.1	14.8
50°-60°	797.6	12.6
60°-70°	630.7	10.0
70°-80°	429.4	6.8
80°-90°	245.0	3.9
90°-100°	135.9	2.1
100°-110°	83.0	1.3
110°-120°	50.5	0.8
120°-130°	27.4	0.4
130°-140°	8.3	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°	1942.1	30.7
0°-40°	2977.2	47.1
0°-60°	4711.9	74.5
0°-90°	6017.1	95.2
90°-120°	269.4	4.3
90°-150°	305.2	4.8
90°-180°	305.0	4.8
0°-180°	6322.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2670	2670	2670	2670	2670	
5°	2682	2665	2627	2639	2630	255
15°	2612	2562	2478	2452	2429	738
25°	2460	2338	2131	1966	1913	1133
35°	2179	1933	1566	1370	1320	1361
45°	1727	1372	1073	1017	1020	1327
55°	1133	865	786	876	917	1013
65°	588	511	608	742	781	592
75°	229	278	428	526	545	249
85°	40	132	261	312	316	48
90°	1	92	199	232	232	2
95°	2	71	157	174	172	1
105°	2	43	105	110	105	2
115°	2	6	71	82	80	1
125°	1	2	32	57	61	1
135°	2	2	2	23	31	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°	2670.4	2670.4	2670.4	2670.4	2670.4
2.5°	2688.7	2674.1	2643.4	2663.1	2654.3
5°	2682.1	2665.3	2627.3	2639.0	2629.5
7.5°	2671.9	2649.2	2600.3	2603.9	2585.7
10°	2656.5	2627.3	2566.7	2560.1	2542.6
12.5°	2636.8	2596.6	2523.6	2514.8	2494.4
15°	2612.0	2562.3	2477.6	2452.0	2428.6
17.5°	2584.2	2521.4	2418.4	2361.4	2321.3
20°	2548.4	2468.8	2337.3	2254.8	2196.4
22.5°	2508.3	2411.8	2246.0	2121.9	2055.4
25°	2460.1	2338.1	2131.4	1966.3	1913.0
27.5°	2406.7	2261.4	2006.5	1813.6	1742.8
30°	2339.5	2164.2	1864.0	1657.3	1575.5
32.5°	2269.4	2059.8	1709.2	1501.0	1437.5
35°	2178.8	1933.4	1566.0	1370.3	1319.9
37.5°	2087.5	1798.3	1423.6	1253.4	1208.8
40°	1983.1	1661.7	1289.2	1157.0	1125.6
42.5°	1858.9	1522.9	1175.2	1075.9	1065.0
45°	1727.4	1371.7	1073.0	1016.7	1020.4
47.5°	1584.3	1234.4	980.2	969.3	987.5
50°	1440.4	1106.6	902.8	933.5	962.0
52.5°	1280.4	983.1	841.4	904.3	938.6
55°	1132.9	864.8	785.9	876.5	917.4
57.5°	986.1	764.0	737.7	848.0	891.1
60°	840.0	672.0	691.0	817.3	862.6
62.5°	712.9	584.3	650.1	783.0	822.5
65°	588.0	510.6	607.7	742.1	780.8
67.5°	484.3	444.8	565.3	693.2	728.2
70°	385.7	382.7	520.1	639.1	671.3
72.5°	300.9	326.5	472.6	582.9	613.6
75°	228.6	278.3	428.0	525.9	544.9
77.5°	167.3	233.0	382.7	468.2	481.3
80°	114.7	193.6	339.6	410.5	420.0
82.5°	72.3	160.0	298.0	358.6	365.2
85°	40.2	132.2	260.8	311.9	316.3
87.5°	15.3	108.8	227.2	271.0	274.6
90°	0.7	92.0	199.4	232.3	232.3
92.5°	0.7	80.3	176.8	201.6	203.1
95°	1.5	70.9	157.0	173.8	172.4
97.5°	1.5	64.3	138.8	152.7	148.3
100°	1.5	58.4	124.9	134.4	130.0
102.5°	1.5	51.9	113.9	119.8	114.7
105°	1.5	43.1	105.2	109.6	105.2
107.5°	1.5	34.3	95.7	101.5	97.1
110°	1.5	25.6	86.9	94.2	90.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	16.1	78.9	87.7	85.5
115°	1.5	5.8	70.9	82.5	80.3
117.5°	0.7	2.9	60.6	76.7	76.0
120°	0.7	2.2	51.1	71.6	71.6
122.5°	0.7	2.2	42.4	64.3	67.2
125°	0.7	1.5	32.1	57.0	60.6
127.5°	0.7	1.5	22.6	49.7	54.1
130°	0.7	1.5	11.7	40.9	46.7
132.5°	0.7	1.5	1.5	32.1	38.7
135°	1.5	1.5	1.5	23.4	30.7
137.5°	1.5	1.5	1.5	12.4	21.9
140°	1.5	1.5	0.7	0.7	10.2
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)