

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: P290377

Luminaire Tested: **4SSRK-SLN-60-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290377
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: 4SSRK-SLN-60-L835-CD1-U
Description: 6000 LUMEN, 4 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: 6374.8 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 0.98 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

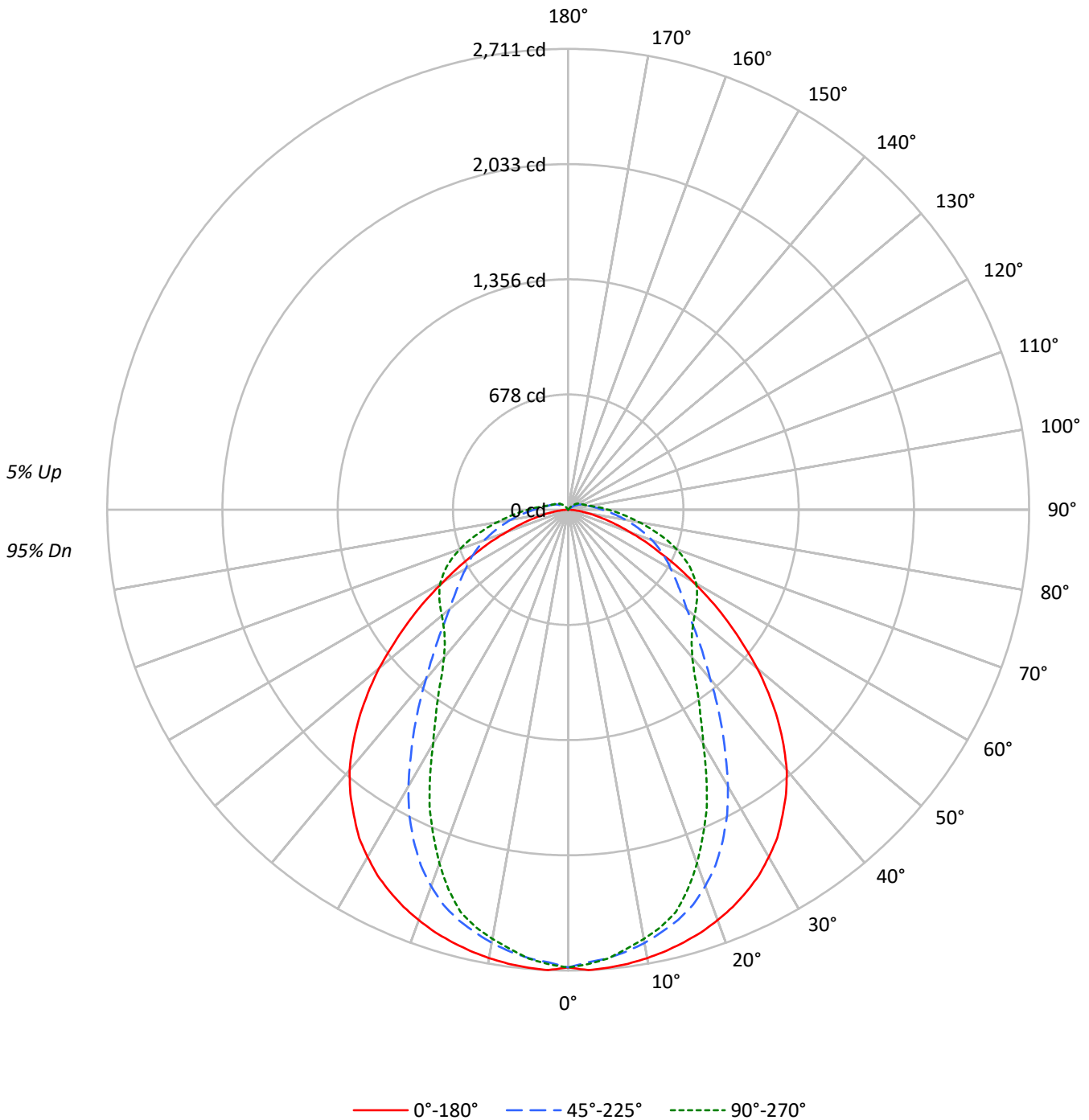
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	173896	173896	173896
5°	174689	137389	127325
10°	174379	112851	98590
15°	174148	94595	79028
20°	173965	79390	61976
25°	173390	65652	47970
30°	171787	52891	35798
35°	168296	41482	27605
40°	162886	32251	21963
45°	152722	25614	18795
50°	139014	20759	16898
55°	121396	17561	15516
60°	102039	15124	14171
65°	83173	13136	12561
70°	65892	11186	10659
75°	49776	9232	8607
80°	34776	7403	6650
85°	20329	5787	5058



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.8	4.0
10°-20°	708.8	11.1
20°-30°	996.7	15.6
30°-40°	1043.7	16.4
40°-50°	944.9	14.8
50°-60°	804.2	12.6
60°-70°	635.9	10.0
70°-80°	433.0	6.8
80°-90°	247.1	3.9
90°-100°	137.0	2.1
100°-110°	83.7	1.3
110°-120°	50.9	0.8
120°-130°	27.6	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°	1958.2	30.7
0°-40°	3001.9	47.1
0°-60°	4751.1	74.5
0°-90°	6067.1	95.2
90°-120°	271.6	4.3
90°-150°	307.7	4.8
90°-180°	308.0	4.8
0°-180°	6374.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2693	2693	2693	2693	2693	
5°	2704	2687	2649	2661	2651	257
15°	2634	2584	2498	2472	2449	744
25°	2480	2358	2149	1983	1929	1143
35°	2197	1950	1579	1382	1331	1373
45°	1742	1383	1082	1025	1029	1338
55°	1142	872	792	884	925	1022
65°	593	515	613	748	787	597
75°	230	281	432	530	549	251
85°	40	133	263	314	319	49
90°	1	93	201	234	234	2
95°	2	71	158	175	174	1
105°	2	44	106	110	106	2
115°	2	6	71	83	81	1
125°	1	2	32	57	61	1
135°	2	2	2	24	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°	2692.6	2692.6	2692.6	2692.6	2692.6
2.5°	2711.0	2696.3	2665.3	2685.2	2676.4
5°	2704.4	2687.4	2649.1	2660.9	2651.3
7.5°	2694.1	2671.2	2621.9	2625.6	2607.2
10°	2678.6	2649.1	2588.0	2581.4	2563.7
12.5°	2658.7	2618.2	2544.5	2535.7	2515.1
15°	2633.7	2583.6	2498.2	2472.4	2448.8
17.5°	2605.7	2542.3	2438.5	2381.1	2340.5
20°	2569.6	2489.3	2356.7	2273.5	2214.6
22.5°	2529.1	2431.9	2264.7	2139.5	2072.5
25°	2480.5	2357.5	2149.1	1982.6	1928.8
27.5°	2426.7	2280.2	2023.1	1828.7	1757.2
30°	2359.0	2182.2	1879.5	1671.1	1588.6
32.5°	2288.3	2076.9	1723.4	1513.5	1449.4
35°	2196.9	1949.5	1579.0	1381.6	1330.8
37.5°	2104.9	1813.2	1435.4	1263.8	1218.9
40°	1999.6	1675.5	1299.9	1166.6	1134.9
42.5°	1874.4	1535.6	1185.0	1084.8	1073.8
45°	1741.8	1383.1	1081.9	1025.2	1028.9
47.5°	1597.4	1244.7	988.4	977.3	995.7
50°	1452.3	1115.8	910.3	941.2	969.9
52.5°	1291.1	991.3	848.4	911.8	946.4
55°	1142.3	872.0	792.5	883.8	925.0
57.5°	994.3	770.4	743.8	855.1	898.5
60°	847.0	677.6	696.7	824.1	869.8
62.5°	718.8	589.2	655.5	789.5	829.3
65°	592.9	514.8	612.8	748.3	787.3
67.5°	488.3	448.5	570.0	698.9	734.3
70°	388.9	385.9	524.4	644.4	676.8
72.5°	303.4	329.2	476.5	587.7	618.6
75°	230.5	280.6	431.6	530.3	549.4
77.5°	168.7	234.9	385.9	472.1	485.3
80°	115.6	195.2	342.5	413.9	423.5
82.5°	72.9	161.3	300.5	361.6	368.2
85°	40.5	133.3	262.9	314.5	318.9
87.5°	15.5	109.7	229.0	273.2	276.9
90°	0.7	92.8	201.1	234.2	234.2
92.5°	0.7	81.0	178.2	203.3	204.7
95°	1.5	71.4	158.3	175.3	173.8
97.5°	1.5	64.8	139.9	153.9	149.5
100°	1.5	58.9	125.9	135.5	131.1
102.5°	1.5	52.3	114.9	120.8	115.6
105°	1.5	43.5	106.1	110.5	106.1
107.5°	1.5	34.6	96.5	102.4	98.0
110°	1.5	25.8	87.6	95.0	91.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	16.2	79.5	88.4	86.2
115°	1.5	5.9	71.4	83.2	81.0
117.5°	0.7	2.9	61.1	77.3	76.6
120°	0.7	2.2	51.6	72.2	72.2
122.5°	0.7	2.2	42.7	64.8	67.8
125°	0.7	1.5	32.4	57.4	61.1
127.5°	0.7	1.5	22.8	50.1	54.5
130°	0.7	1.5	11.8	41.2	47.1
132.5°	0.7	1.5	1.5	32.4	39.0
135°	1.5	1.5	1.5	23.6	30.9
137.5°	1.5	1.5	1.5	12.5	22.1
140°	1.5	1.5	0.7	0.7	10.3
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)