

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: P290374

Luminaire Tested: **4SSRK-SLN-60-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290374
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-L940-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5484.5 lumens
Efficiency: N/A
Efficacy: 122.4 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

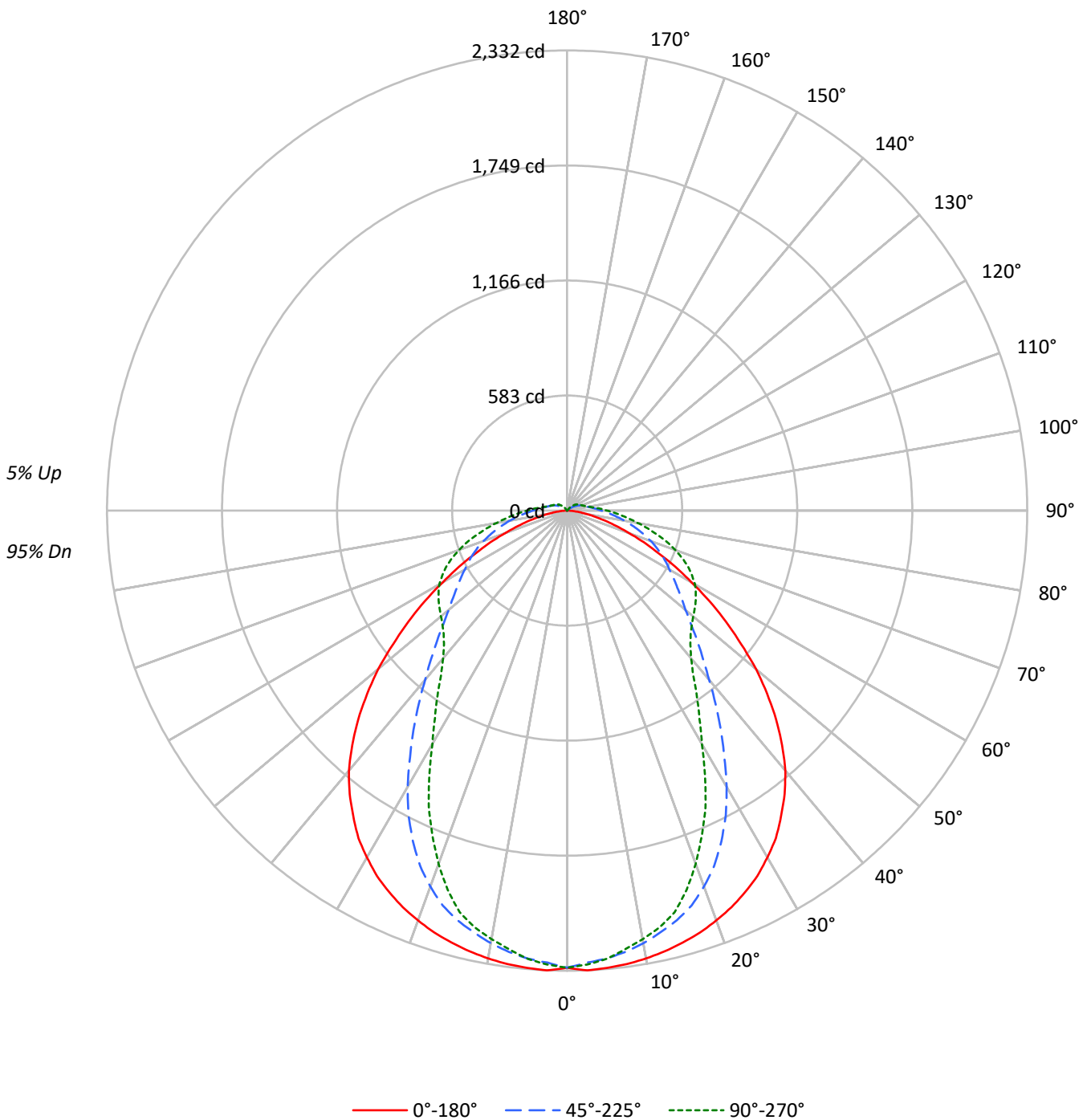
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	149613	149613	149613
5°	150291	118205	109547
10°	150025	97092	84823
15°	149828	81384	67991
20°	149667	68304	53320
25°	149176	56482	41273
30°	147793	45504	30797
35°	144793	35689	23751
40°	140134	27748	18896
45°	131390	22036	16170
50°	119602	17860	14539
55°	104445	15108	13349
60°	87788	13012	12191
65°	71558	11301	10808
70°	56692	9623	9171
75°	42823	7942	7405
80°	29933	6367	5720
85°	17468	4979	4352



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.5	4.0
10°-20°	609.8	11.1
20°-30°	857.5	15.6
30°-40°	897.9	16.4
40°-50°	812.9	14.8
50°-60°	691.9	12.6
60°-70°	547.1	10.0
70°-80°	372.5	6.8
80°-90°	212.6	3.9
90°-100°	117.9	2.1
100°-110°	72.0	1.3
110°-120°	43.8	0.8
120°-130°	23.7	0.4
130°-140°	7.2	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°	1684.8	30.7
0°-40°	2582.7	47.1
0°-60°	4087.6	74.5
0°-90°	5219.7	95.2
90°-120°	233.7	4.3
90°-150°	264.8	4.8
90°-180°	265.0	4.8
0°-180°	5484.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2317	2317	2317	2317	2317	
5°	2327	2312	2279	2289	2281	221
15°	2266	2223	2149	2127	2107	640
25°	2134	2028	1849	1706	1660	983
35°	1890	1677	1358	1189	1145	1181
45°	1498	1190	931	882	885	1151
55°	983	750	682	760	796	879
65°	510	443	527	644	677	514
75°	198	241	371	456	473	216
85°	35	115	226	271	274	42
90°	1	80	173	202	202	2
95°	1	62	136	151	150	1
105°	1	37	91	95	91	1
115°	1	5	62	72	70	1
125°	1	1	28	49	53	1
135°	1	1	1	20	27	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°	2316.6	2316.6	2316.6	2316.6	2316.6
2.5°	2332.4	2319.7	2293.1	2310.2	2302.6
5°	2326.7	2312.1	2279.2	2289.3	2281.1
7.5°	2317.8	2298.2	2255.7	2258.9	2243.1
10°	2304.5	2279.2	2226.6	2220.9	2205.7
12.5°	2287.4	2252.6	2189.2	2181.6	2163.8
15°	2265.9	2222.8	2149.3	2127.1	2106.8
17.5°	2241.8	2187.3	2098.0	2048.5	2013.7
20°	2210.7	2141.7	2027.6	1956.0	1905.3
22.5°	2175.9	2092.2	1948.4	1840.7	1783.0
25°	2134.1	2028.3	1848.9	1705.7	1659.5
27.5°	2087.8	1961.7	1740.6	1573.3	1511.8
30°	2029.5	1877.4	1617.0	1437.7	1366.7
32.5°	1968.7	1786.8	1482.7	1302.1	1247.0
35°	1890.1	1677.2	1358.5	1188.7	1145.0
37.5°	1810.9	1560.0	1234.9	1087.3	1048.7
40°	1720.3	1441.5	1118.4	1003.7	976.4
42.5°	1612.6	1321.1	1019.5	933.3	923.8
45°	1498.5	1190.0	930.8	882.0	885.2
47.5°	1374.3	1070.8	850.3	840.8	856.7
50°	1249.5	960.0	783.2	809.8	834.5
52.5°	1110.8	852.9	729.9	784.4	814.2
55°	982.8	750.2	681.8	760.4	795.8
57.5°	855.4	662.8	640.0	735.6	773.0
60°	728.7	582.9	599.4	709.0	748.3
62.5°	618.4	506.9	563.9	679.3	713.5
65°	510.1	442.9	527.2	643.8	677.4
67.5°	420.1	385.9	490.4	601.3	631.7
70°	334.6	332.0	451.1	554.4	582.3
72.5°	261.1	283.2	410.0	505.6	532.2
75°	198.3	241.4	371.3	456.2	472.7
77.5°	145.1	202.1	332.0	406.2	417.6
80°	99.5	167.9	294.6	356.1	364.3
82.5°	62.7	138.8	258.5	311.1	316.8
85°	34.8	114.7	226.2	270.6	274.4
87.5°	13.3	94.4	197.1	235.1	238.2
90°	0.6	79.8	173.0	201.5	201.5
92.5°	0.6	69.7	153.3	174.9	176.1
95°	1.3	61.5	136.2	150.8	149.5
97.5°	1.3	55.8	120.4	132.4	128.6
100°	1.3	50.7	108.4	116.6	112.8
102.5°	1.3	45.0	98.8	103.9	99.5
105°	1.3	37.4	91.2	95.0	91.2
107.5°	1.3	29.8	83.0	88.1	84.3
110°	1.3	22.2	75.4	81.7	78.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	13.9	68.4	76.0	74.1
115°	1.3	5.1	61.5	71.6	69.7
117.5°	0.6	2.5	52.6	66.5	65.9
120°	0.6	1.9	44.4	62.1	62.1
122.5°	0.6	1.9	36.8	55.8	58.3
125°	0.6	1.3	27.9	49.4	52.6
127.5°	0.6	1.3	19.6	43.1	46.9
130°	0.6	1.3	10.1	35.5	40.6
132.5°	0.6	1.3	1.3	27.9	33.6
135°	1.3	1.3	1.3	20.3	26.6
137.5°	1.3	1.3	1.3	10.8	19.0
140°	1.3	1.3	0.6	0.6	8.9
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)