

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: P290404

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290404
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-L930-CD1-U
Description: 6000 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: 5003.2 lumens
Efficiency: N/A
Efficacy: 120.9 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

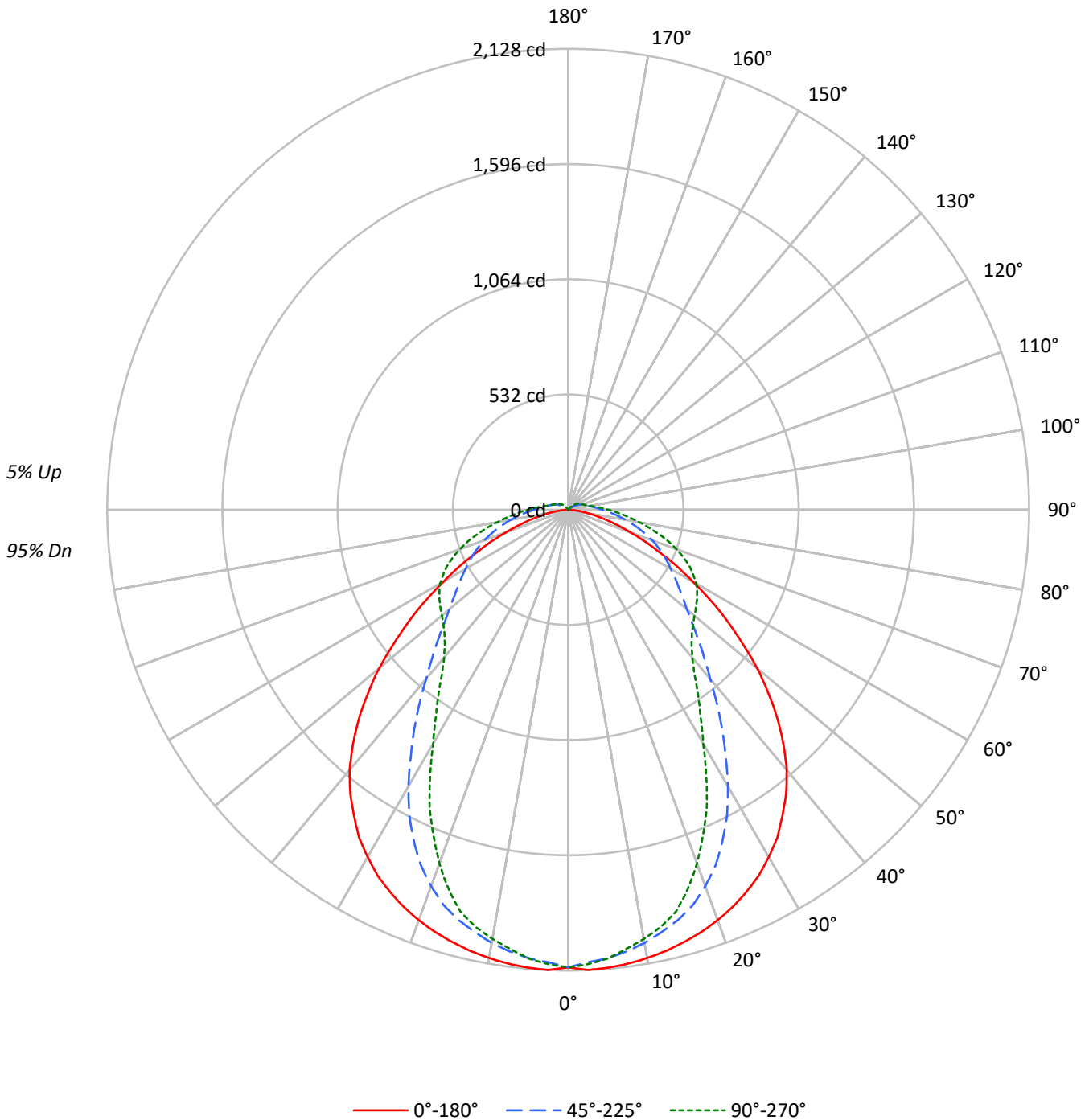
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	68238	68238	68238
5°	68675	53969	49966
10°	68678	44362	38689
15°	68717	37203	31012
20°	68780	31238	24320
25°	68697	25839	18824
30°	68213	20822	14048
35°	66992	16335	10833
40°	65015	12702	8619
45°	61153	10090	7375
50°	55877	8178	6631
55°	49013	6919	6089
60°	41433	5961	5560
65°	34032	5177	4929
70°	27255	4409	4183
75°	20942	3640	3378
80°	15084	2919	2610
85°	9516	2283	1985



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.4	4.0
10°-20°	556.2	11.1
20°-30°	782.2	15.6
30°-40°	819.1	16.4
40°-50°	741.6	14.8
50°-60°	631.2	12.6
60°-70°	499.1	10.0
70°-80°	339.8	6.8
80°-90°	193.9	3.9
90°-100°	107.6	2.1
100°-110°	65.7	1.3
110°-120°	39.9	0.8
120°-130°	21.7	0.4
130°-140°	6.6	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°	1536.9	30.7
0°-40°	2356.0	47.1
0°-60°	3728.8	74.5
0°-90°	4761.6	95.2
90°-120°	213.2	4.3
90°-150°	241.6	4.8
90°-180°	242.0	4.8
0°-180°	5003.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2113	2113	2113	2113	2113	
5°	2122	2109	2079	2088	2081	202
15°	2067	2028	1961	1940	1922	584
25°	1947	1850	1687	1556	1514	897
35°	1724	1530	1239	1084	1044	1077
45°	1367	1086	849	805	808	1050
55°	896	684	622	694	726	802
65°	465	404	481	587	618	469
75°	181	220	339	416	431	197
85°	32	105	206	247	250	38
90°	1	73	158	184	184	2
95°	1	56	124	138	136	1
105°	1	34	83	87	83	1
115°	1	5	56	65	64	1
125°	1	1	25	45	48	1
135°	1	1	1	18	24	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°	2113.2	2113.2	2113.2	2113.2	2113.2
2.5°	2127.7	2116.1	2091.8	2107.5	2100.5
5°	2122.5	2109.2	2079.1	2088.4	2080.9
7.5°	2114.4	2096.5	2057.7	2060.6	2046.2
10°	2102.2	2079.1	2031.2	2026.0	2012.1
12.5°	2086.6	2054.9	1997.0	1990.1	1973.9
15°	2067.0	2027.7	1960.6	1940.4	1921.9
17.5°	2045.0	1995.3	1913.8	1868.7	1836.9
20°	2016.7	1953.7	1849.7	1784.3	1738.1
22.5°	1984.9	1908.6	1777.4	1679.1	1626.5
25°	1946.8	1850.2	1686.7	1556.0	1513.8
27.5°	1904.6	1789.5	1587.8	1435.2	1379.1
30°	1851.4	1712.7	1475.1	1311.5	1246.8
32.5°	1795.9	1630.0	1352.6	1187.8	1137.5
35°	1724.2	1530.0	1239.3	1084.4	1044.5
37.5°	1652.0	1423.1	1126.6	991.9	956.6
40°	1569.3	1315.0	1020.2	915.6	890.7
42.5°	1471.1	1205.2	930.0	851.4	842.7
45°	1367.0	1085.5	849.1	804.6	807.5
47.5°	1253.7	976.8	775.7	767.0	781.5
50°	1139.9	875.7	714.4	738.7	761.2
52.5°	1013.3	778.0	665.9	715.6	742.8
55°	896.5	684.4	621.9	693.6	726.0
57.5°	780.3	604.6	583.8	671.1	705.2
60°	664.7	531.8	546.8	646.8	682.6
62.5°	564.1	462.4	514.4	619.6	650.8
65°	465.3	404.0	480.9	587.3	617.9
67.5°	383.2	352.0	447.4	548.5	576.3
70°	305.2	302.9	411.5	505.8	531.2
72.5°	238.1	258.4	374.0	461.3	485.5
75°	180.9	220.2	338.7	416.2	431.2
77.5°	132.4	184.4	302.9	370.5	380.9
80°	90.7	153.2	268.8	324.8	332.4
82.5°	57.2	126.6	235.8	283.8	289.0
85°	31.8	104.6	206.4	246.8	250.3
87.5°	12.1	86.1	179.8	214.4	217.3
90°	0.6	72.8	157.8	183.8	183.8
92.5°	0.6	63.6	139.9	159.5	160.7
95°	1.2	56.1	124.3	137.6	136.4
97.5°	1.2	50.9	109.8	120.8	117.3
100°	1.2	46.2	98.8	106.4	102.9
102.5°	1.2	41.0	90.2	94.8	90.7
105°	1.2	34.1	83.2	86.7	83.2
107.5°	1.2	27.2	75.7	80.3	76.9
110°	1.2	20.2	68.8	74.6	71.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	12.7	62.4	69.4	67.6
115°	1.2	4.6	56.1	65.3	63.6
117.5°	0.6	2.3	48.0	60.7	60.1
120°	0.6	1.7	40.5	56.6	56.6
122.5°	0.6	1.7	33.5	50.9	53.2
125°	0.6	1.2	25.4	45.1	48.0
127.5°	0.6	1.2	17.9	39.3	42.8
130°	0.6	1.2	9.2	32.4	37.0
132.5°	0.6	1.2	1.2	25.4	30.6
135°	1.2	1.2	1.2	18.5	24.3
137.5°	1.2	1.2	1.2	9.8	17.3
140°	1.2	1.2	0.6	0.6	8.1
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)