

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: P290319

Luminaire Tested: **8SSRK-SLC-60-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-16)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLC-60-L950-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5992.2 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

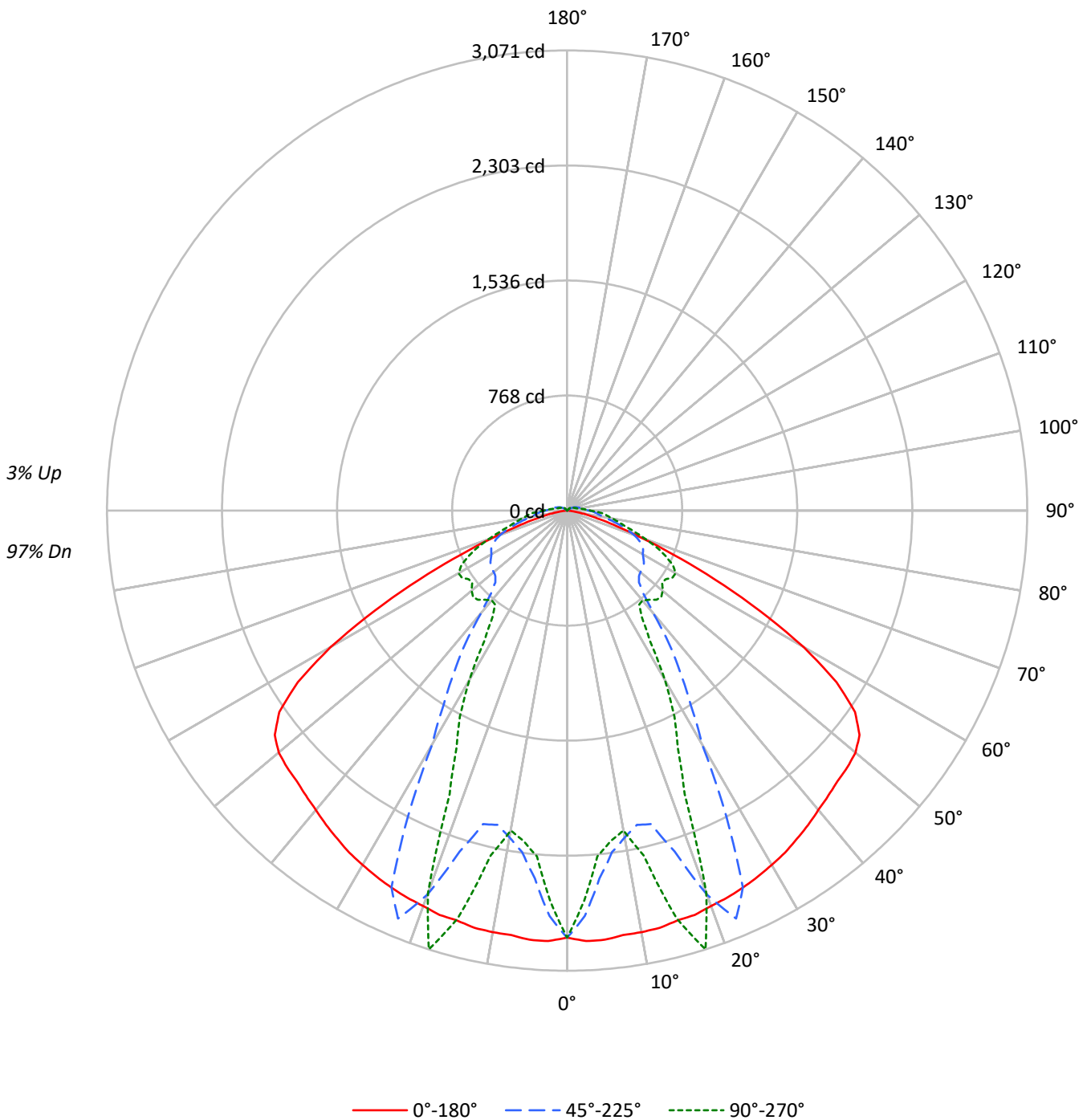
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	108	103	99	95	105	101	97	93	96	93	90	91	89	87	87	85	83	87	85	83	81	
2	99	91	84	79	96	89	83	78	85	80	75	81	77	73	77	74	71	77	74	71	69	
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	65	61	69	65	61	59	
4	84	72	64	57	81	71	63	57	68	61	56	65	59	54	62	57	53	62	57	53	51	
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	51	47	57	51	47	45	
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	52	46	42	40	
7	67	54	45	40	65	53	45	39	51	44	39	49	43	38	48	42	38	48	42	38	36	
8	62	49	41	36	61	49	41	35	47	40	35	46	39	35	44	38	34	44	38	34	32	
9	58	46	38	32	57	45	37	32	44	37	32	42	36	32	41	35	31	41	35	31	29	
10	55	42	35	30	54	42	34	30	40	34	29	39	33	29	38	33	29	38	33	29	27	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	92024	92024	92024
5°	93030	64002	55619
10°	93318	48353	41683
15°	94163	41108	45444
20°	95778	46069	37984
25°	97960	42498	21697
30°	100606	25451	14697
35°	103884	17334	8996
40°	108081	11149	7564
45°	114191	8064	7689
50°	123127	7309	7253
55°	128178	6962	6708
60°	113560	6354	6815
65°	79496	5981	5830
70°	46196	5084	4385
75°	26267	3840	3119
80°	14918	2711	2412
85°	7212	2177	1975



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.7	4.0
10°-20°	711.0	11.9
20°-30°	1046.6	17.5
30°-40°	1022.4	17.1
40°-50°	847.6	14.1
50°-60°	778.1	13.0
60°-70°	616.6	10.3
70°-80°	342.4	5.7
80°-90°	181.3	3.0
90°-100°	95.4	1.6
100°-110°	57.4	1.0
110°-120°	32.8	0.5
120°-130°	18.1	0.3
130°-140°	5.7	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°	1994.3	33.3
0°-40°	3016.7	50.3
0°-60°	4642.4	77.5
0°-90°	5782.8	96.5
90°-120°	185.5	3.1
90°-150°	209.5	3.5
90°-180°	209.0	3.5
0°-180°	5992.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2850	2850	2850	2850	2850	
5°	2875	2714	2466	2360	2316	273
15°	2832	2262	2166	2653	2816	803
25°	2776	2160	2774	1891	1745	1283
35°	2674	2578	1315	940	867	1678
45°	2553	1166	679	774	842	1980
55°	2344	519	626	750	800	2036
65°	1087	337	556	705	731	1100
75°	227	206	357	382	398	269
85°	24	101	197	239	249	33
90°	1	74	144	157	156	1
95°	1	58	112	116	111	1
105°	1	39	78	68	61	1
115°	1	5	51	48	45	1
125°	1	1	23	38	37	1
135°	1	1	1	16	20	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°	2849.8	2849.8	2849.8	2849.8	2849.8
2.5°	2875.2	2823.7	2709.2	2631.6	2605.5
5°	2875.2	2713.9	2465.6	2360.5	2316.3
7.5°	2857.8	2574.7	2298.9	2253.4	2224.7
10°	2856.4	2426.1	2213.9	2175.8	2167.8
12.5°	2853.1	2343.8	2148.4	2283.5	2356.5
15°	2832.4	2262.1	2166.4	2653.0	2816.3
17.5°	2829.0	2201.2	2385.9	3001.7	3070.6
20°	2808.3	2153.0	2727.9	2957.5	2714.6
22.5°	2794.9	2119.6	2948.1	2379.3	2048.6
25°	2776.1	2159.7	2774.1	1891.4	1744.8
27.5°	2754.7	2288.9	2299.6	1646.4	1549.4
30°	2730.6	2491.0	1803.0	1438.9	1304.4
32.5°	2706.5	2638.9	1534.6	1181.3	1023.3
35°	2673.7	2578.0	1315.1	939.7	867.4
37.5°	2642.9	2296.9	1115.0	811.2	790.4
40°	2608.8	1850.5	895.5	760.3	781.7
42.5°	2580.0	1467.0	752.3	754.9	807.8
45°	2552.6	1165.9	678.6	774.3	841.9
47.5°	2536.5	926.9	649.2	797.8	852.0
50°	2511.8	742.9	638.5	802.5	832.6
52.5°	2459.6	612.4	635.1	777.7	798.4
55°	2344.5	519.4	625.8	749.6	799.8
57.5°	2132.3	461.8	604.4	755.6	832.6
60°	1821.8	417.0	582.9	775.0	836.6
62.5°	1449.6	376.1	571.6	759.0	797.1
65°	1086.9	337.3	555.5	704.7	730.8
67.5°	761.0	303.8	519.4	637.1	651.2
70°	517.3	271.7	474.5	550.8	556.8
72.5°	348.0	239.6	419.0	461.8	471.2
75°	226.9	205.5	357.4	381.5	398.2
77.5°	144.6	174.7	296.5	327.3	348.7
80°	89.7	144.6	249.6	293.8	307.2
82.5°	50.2	120.5	216.2	262.4	269.7
85°	24.1	101.1	196.8	238.9	249.0
87.5°	6.0	85.7	173.3	198.1	198.1
90°	0.7	73.6	143.9	157.3	155.9
92.5°	0.7	64.9	125.2	133.9	131.2
95°	1.3	58.2	111.8	116.5	111.1
97.5°	1.3	54.9	103.1	99.7	91.7
100°	1.3	50.9	93.7	85.0	76.3
102.5°	1.3	45.5	85.7	75.0	67.6
105°	1.3	38.8	78.3	67.6	60.9
107.5°	1.3	30.8	70.3	61.6	56.2
110°	1.3	22.1	62.9	56.9	52.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	13.4	56.9	52.9	49.5
115°	1.3	4.7	50.9	48.2	44.8
117.5°	1.3	2.0	44.8	46.2	42.2
120°	1.3	2.0	37.5	43.5	40.2
122.5°	1.3	2.0	30.8	40.8	38.8
125°	1.3	1.3	23.4	37.5	36.8
127.5°	1.3	1.3	16.1	32.8	34.1
130°	1.3	1.3	8.0	26.8	30.1
132.5°	1.3	1.3	1.3	22.1	24.8
135°	1.3	1.3	1.3	16.1	20.1
137.5°	1.3	1.3	1.3	8.0	14.7
140°	1.3	1.3	1.3	1.3	6.0
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)