

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: P290286

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290286
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: 4SSRK-SLC-60-L940-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5673.2 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

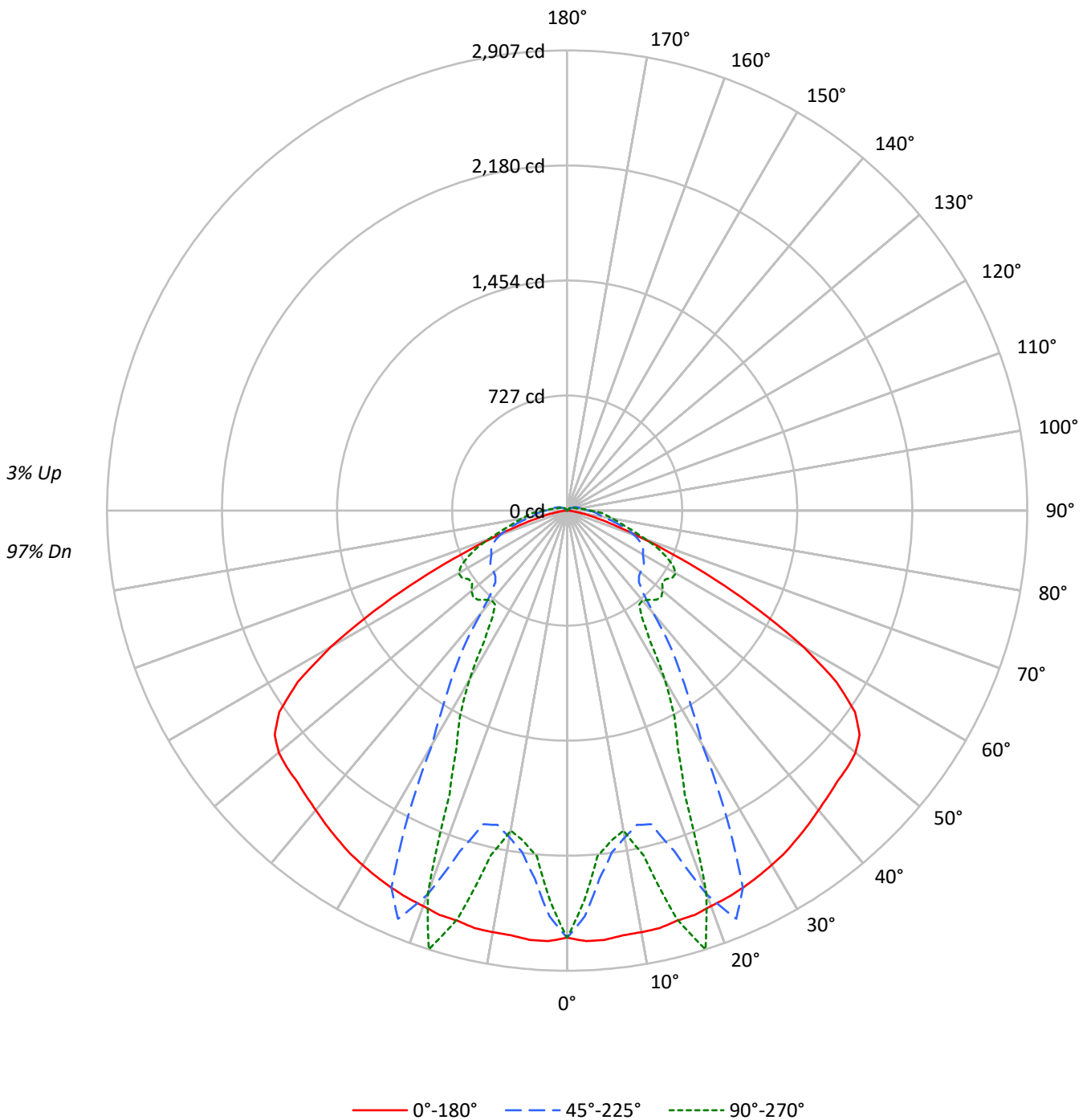
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	174245	174245	174245
5°	175832	121062	105316
10°	176053	91402	78923
15°	177309	77666	86047
20°	179997	87004	71922
25°	183722	80233	41084
30°	188260	48037	27827
35°	193921	32710	17034
40°	201196	21034	14323
45°	211898	15211	14561
50°	227623	13785	13732
55°	235884	13127	12701
60°	207777	11981	12903
65°	144350	11274	11039
70°	82988	9582	8303
75°	46386	7238	5906
80°	25541	5107	4566
85°	11444	4101	3738



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.1	4.0
10°-20°	673.2	11.9
20°-30°	990.9	17.5
30°-40°	968.0	17.1
40°-50°	802.4	14.1
50°-60°	736.7	13.0
60°-70°	583.8	10.3
70°-80°	324.1	5.7
80°-90°	171.7	3.0
90°-100°	90.3	1.6
100°-110°	54.3	1.0
110°-120°	31.0	0.5
120°-130°	17.1	0.3
130°-140°	5.4	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°	1888.1	33.3
0°-40°	2856.1	50.3
0°-60°	4395.2	77.5
0°-90°	5474.8	96.5
90°-120°	175.7	3.1
90°-150°	198.4	3.5
90°-180°	198.0	3.5
0°-180°	5673.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2698	2698	2698	2698	2698	
5°	2722	2569	2334	2235	2193	259
15°	2682	2142	2051	2512	2666	761
25°	2628	2045	2626	1791	1652	1215
35°	2531	2441	1245	890	821	1588
45°	2417	1104	642	733	797	1874
55°	2220	492	592	710	757	1928
65°	1029	319	526	667	692	1041
75°	215	194	338	361	377	255
85°	23	96	186	226	236	31
90°	1	70	136	149	148	1
95°	1	55	106	110	105	1
105°	1	37	74	64	58	1
115°	1	4	48	46	42	1
125°	1	1	22	36	35	1
135°	1	1	1	15	19	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°	2698.0	2698.0	2698.0	2698.0	2698.0
2.5°	2722.1	2673.3	2564.9	2491.4	2466.7
5°	2722.1	2569.4	2334.3	2234.8	2193.0
7.5°	2705.6	2437.6	2176.5	2133.4	2106.2
10°	2704.3	2296.9	2096.1	2059.9	2052.3
12.5°	2701.2	2219.0	2034.0	2162.0	2231.0
15°	2681.5	2141.7	2051.1	2511.7	2666.3
17.5°	2678.4	2084.0	2258.9	2841.8	2907.1
20°	2658.7	2038.4	2582.7	2800.0	2570.0
22.5°	2646.0	2006.7	2791.2	2252.6	1939.5
25°	2628.3	2044.7	2626.4	1790.6	1651.9
27.5°	2608.0	2167.0	2177.2	1558.7	1466.9
30°	2585.2	2358.4	1707.0	1362.3	1234.9
32.5°	2562.4	2498.4	1452.9	1118.4	968.8
35°	2531.4	2440.8	1245.1	889.6	821.2
37.5°	2502.2	2174.6	1055.6	768.0	748.3
40°	2469.9	1752.0	847.8	719.8	740.1
42.5°	2442.7	1388.9	712.2	714.7	764.8
45°	2416.7	1103.8	642.5	733.1	797.1
47.5°	2401.5	877.6	614.6	755.3	806.6
50°	2378.0	703.3	604.5	759.7	788.2
52.5°	2328.6	579.8	601.3	736.3	755.9
55°	2219.6	491.7	592.4	709.7	757.2
57.5°	2018.8	437.2	572.2	715.4	788.2
60°	1724.7	394.8	551.9	733.7	792.0
62.5°	1372.4	356.1	541.1	718.5	754.7
65°	1029.0	319.4	525.9	667.2	691.9
67.5°	720.4	287.7	491.7	603.2	616.5
70°	489.8	257.3	449.2	521.5	527.2
72.5°	329.5	226.8	396.7	437.2	446.1
75°	214.8	194.5	338.4	361.2	377.0
77.5°	136.9	165.4	280.7	309.8	330.1
80°	84.9	136.9	236.3	278.2	290.8
82.5°	47.5	114.1	204.7	248.4	255.4
85°	22.8	95.7	186.3	226.2	235.7
87.5°	5.7	81.1	164.1	187.6	187.6
90°	0.6	69.7	136.2	148.9	147.6
92.5°	0.6	61.5	118.5	126.7	124.2
95°	1.3	55.1	105.8	110.3	105.2
97.5°	1.3	52.0	97.6	94.4	86.8
100°	1.3	48.2	88.7	80.5	72.2
102.5°	1.3	43.1	81.1	71.0	64.0
105°	1.3	36.8	74.1	64.0	57.7
107.5°	1.3	29.1	66.5	58.3	53.2
110°	1.3	20.9	59.6	53.9	50.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	12.7	53.9	50.1	46.9
115°	1.3	4.4	48.2	45.6	42.5
117.5°	1.3	1.9	42.5	43.7	39.9
120°	1.3	1.9	35.5	41.2	38.0
122.5°	1.3	1.9	29.1	38.7	36.8
125°	1.3	1.3	22.2	35.5	34.8
127.5°	1.3	1.3	15.2	31.0	32.3
130°	1.3	1.3	7.6	25.3	28.5
132.5°	1.3	1.3	1.3	20.9	23.4
135°	1.3	1.3	1.3	15.2	19.0
137.5°	1.3	1.3	1.3	7.6	13.9
140°	1.3	1.3	1.3	1.3	5.7
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)