

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: P290318

Luminaire Tested: **8SSRK-SLC-60-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290318
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-L940-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

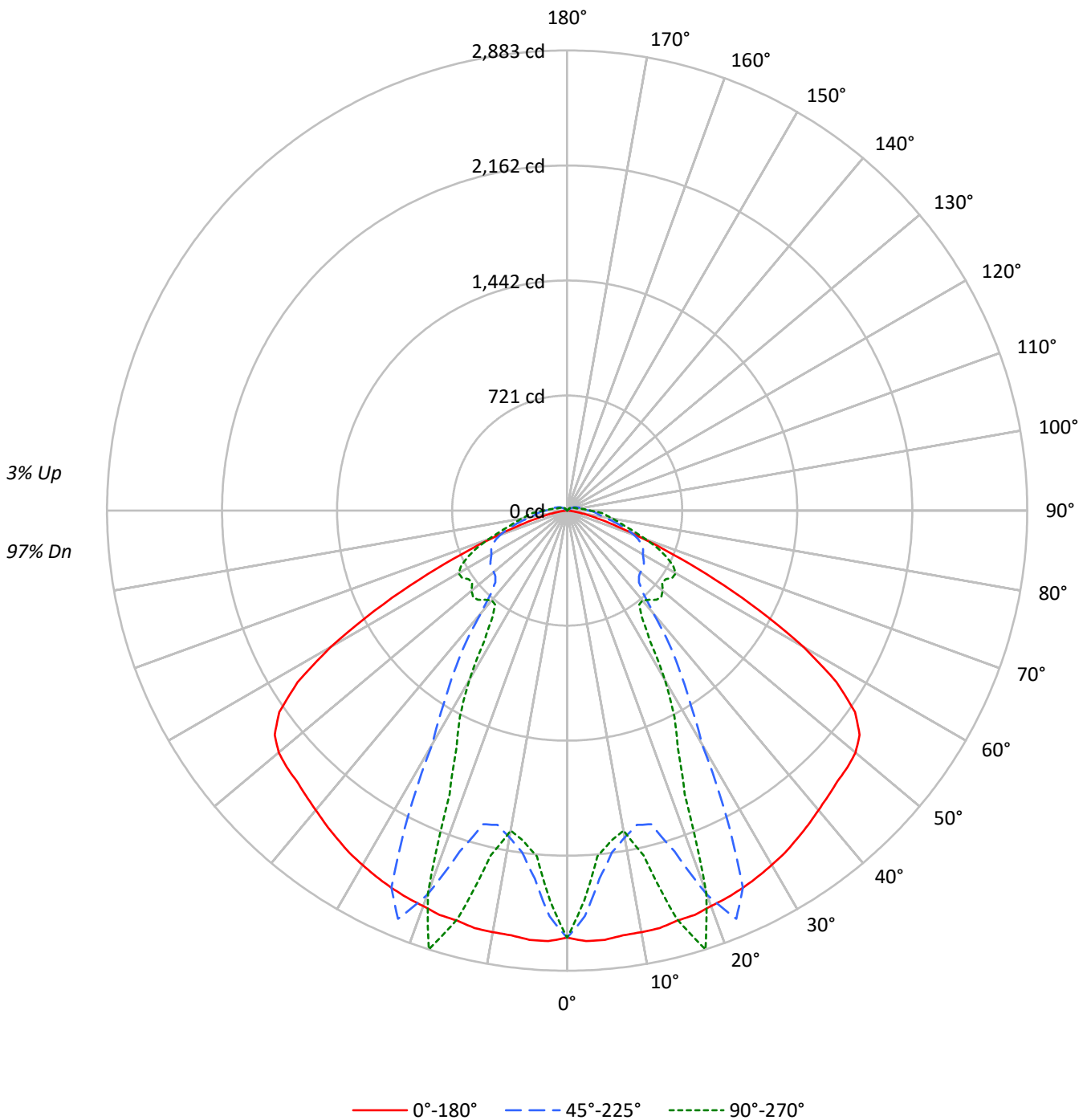
Lumens per Lamp: N/A
Luminaire Lumens: 5626.5 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	86406	86406	86406
5°	87351	60095	52223
10°	87623	45402	39137
15°	88415	38599	42670
20°	89929	43257	35666
25°	91982	39904	20373
30°	94464	23898	13800
35°	97543	16276	8447
40°	101485	10468	7102
45°	107221	7572	7220
50°	115608	6863	6809
55°	120349	6537	6299
60°	106622	5967	6399
65°	74640	5616	5474
70°	43383	4773	4117
75°	24658	3606	2929
80°	14003	2545	2264
85°	6763	2044	1854



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.3	4.0
10°-20°	667.6	11.9
20°-30°	982.7	17.5
30°-40°	960.0	17.1
40°-50°	795.8	14.1
50°-60°	730.6	13.0
60°-70°	579.0	10.3
70°-80°	321.5	5.7
80°-90°	170.3	3.0
90°-100°	89.5	1.6
100°-110°	53.9	1.0
110°-120°	30.8	0.5
120°-130°	17.0	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°	1872.6	33.3
0°-40°	2832.6	50.3
0°-60°	4359.1	77.5
0°-90°	5429.8	96.5
90°-120°	174.2	3.1
90°-150°	196.7	3.5
90°-180°	197.0	3.5
0°-180°	5626.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2676	2676	2676	2676	2676	
5°	2700	2548	2315	2216	2175	257
15°	2660	2124	2034	2491	2644	754
25°	2607	2028	2605	1776	1638	1205
35°	2510	2421	1235	882	814	1575
45°	2397	1095	637	727	790	1859
55°	2201	488	588	704	751	1912
65°	1020	317	522	662	686	1033
75°	213	193	336	358	374	252
85°	23	95	185	224	234	31
90°	1	69	135	148	146	1
95°	1	55	105	109	104	1
105°	1	36	74	64	57	1
115°	1	4	48	45	42	1
125°	1	1	22	35	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°	2675.8	2675.8	2675.8	2675.8	2675.8
2.5°	2699.7	2651.3	2543.8	2470.9	2446.4
5°	2699.7	2548.2	2315.1	2216.4	2174.9
7.5°	2683.3	2417.5	2158.6	2115.9	2088.9
10°	2682.1	2278.0	2078.8	2043.0	2035.4
12.5°	2678.9	2200.7	2017.2	2144.2	2212.7
15°	2659.5	2124.0	2034.2	2491.0	2644.4
17.5°	2656.3	2066.9	2240.3	2818.4	2883.2
20°	2636.8	2021.6	2561.4	2777.0	2548.9
22.5°	2624.3	1990.2	2768.2	2234.0	1923.6
25°	2606.7	2027.9	2604.8	1775.9	1638.3
27.5°	2586.6	2149.2	2159.2	1545.9	1454.8
30°	2563.9	2339.0	1693.0	1351.1	1224.8
32.5°	2541.3	2477.8	1441.0	1109.2	960.8
35°	2510.5	2420.7	1234.8	882.3	814.4
37.5°	2481.6	2156.7	1046.9	761.6	742.2
40°	2449.6	1737.6	840.8	713.9	734.0
42.5°	2422.5	1377.5	706.3	708.9	758.5
45°	2396.8	1094.7	637.2	727.1	790.5
47.5°	2381.7	870.4	609.6	749.1	800.0
50°	2358.4	697.5	599.5	753.5	781.7
52.5°	2309.4	575.0	596.4	730.2	749.7
55°	2201.3	487.7	587.6	703.8	751.0
57.5°	2002.1	433.6	567.5	709.5	781.7
60°	1710.5	391.5	547.4	727.7	785.5
62.5°	1361.1	353.2	536.7	712.6	748.4
65°	1020.5	316.7	521.6	661.7	686.2
67.5°	714.5	285.3	487.7	598.3	611.4
70°	485.8	255.1	445.5	517.2	522.8
72.5°	326.8	225.0	393.4	433.6	442.4
75°	213.0	192.9	335.6	358.2	373.9
77.5°	135.7	164.0	278.4	307.3	327.4
80°	84.2	135.7	234.4	275.9	288.4
82.5°	47.1	113.1	203.0	246.3	253.3
85°	22.6	94.9	184.8	224.3	233.8
87.5°	5.7	80.4	162.8	186.0	186.0
90°	0.6	69.1	135.1	147.7	146.4
92.5°	0.6	61.0	117.5	125.7	123.2
95°	1.3	54.7	104.9	109.3	104.3
97.5°	1.3	51.5	96.8	93.6	86.1
100°	1.3	47.8	88.0	79.8	71.6
102.5°	1.3	42.7	80.4	70.4	63.5
105°	1.3	36.4	73.5	63.5	57.2
107.5°	1.3	28.9	66.0	57.8	52.8
110°	1.3	20.7	59.1	53.4	49.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	12.6	53.4	49.6	46.5
115°	1.3	4.4	47.8	45.2	42.1
117.5°	1.3	1.9	42.1	43.4	39.6
120°	1.3	1.9	35.2	40.8	37.7
122.5°	1.3	1.9	28.9	38.3	36.4
125°	1.3	1.3	22.0	35.2	34.6
127.5°	1.3	1.3	15.1	30.8	32.0
130°	1.3	1.3	7.5	25.1	28.3
132.5°	1.3	1.3	1.3	20.7	23.3
135°	1.3	1.3	1.3	15.1	18.9
137.5°	1.3	1.3	1.3	7.5	13.8
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)