

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: P290284

Luminaire Tested: **4SSRK-SLC-60-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290284
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-L930-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

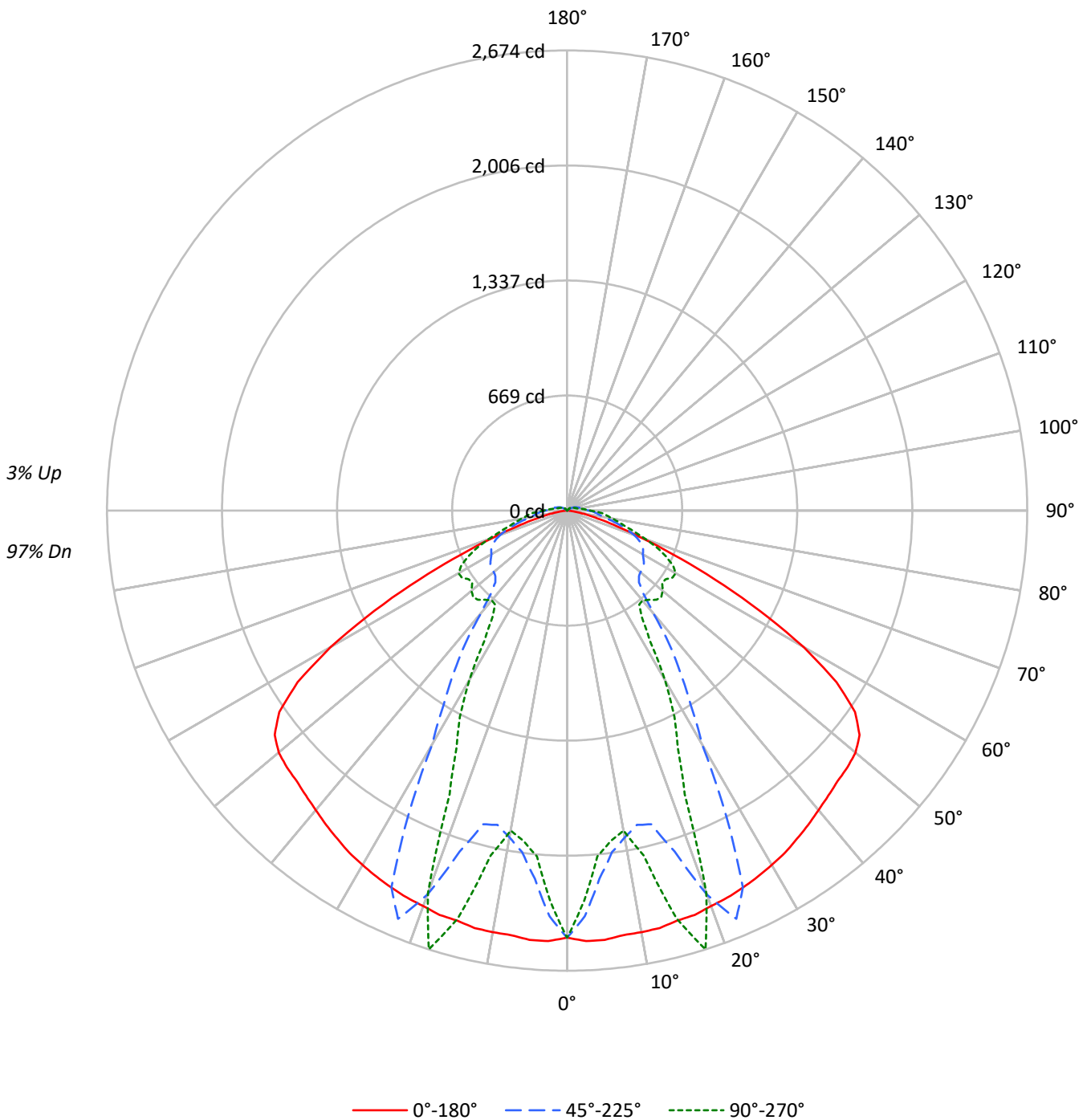
Lumens per Lamp: N/A
Luminaire Lumens: 5218.2 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

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



TEST NUMBER: P290284
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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°	160269	160269	160269
5°	161731	111354	96869
10°	161939	84072	72594
15°	163092	71437	79148
20°	165563	80027	66154
25°	168986	73800	37788
30°	173164	44184	25596
35°	178370	30085	15667
40°	185059	19347	13173
45°	194906	13992	13393
50°	209369	12679	12631
55°	216967	12074	11683
60°	191116	11019	11869
65°	132776	10369	10154
70°	76329	8814	7637
75°	42671	6657	5433
80°	23495	4699	4200
85°	10541	3770	3439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.1	4.0
10°-20°	619.2	11.9
20°-30°	911.4	17.5
30°-40°	890.3	17.1
40°-50°	738.1	14.1
50°-60°	677.6	13.0
60°-70°	536.9	10.3
70°-80°	298.1	5.7
80°-90°	157.9	3.0
90°-100°	83.0	1.6
100°-110°	50.0	1.0
110°-120°	28.5	0.5
120°-130°	15.8	0.3
130°-140°	5.0	0.1
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1736.7	33.3
0°-40°	2627.0	50.3
0°-60°	4042.7	77.5
0°-90°	5035.7	96.5
90°-120°	161.5	3.1
90°-150°	182.4	3.5
90°-180°	182.0	3.5
0°-180°	5218.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2482	2482	2482	2482	2482	
5°	2504	2363	2147	2056	2017	238
15°	2466	1970	1887	2310	2452	700
25°	2418	1881	2416	1647	1519	1117
35°	2328	2245	1145	818	755	1461
45°	2223	1015	591	674	733	1724
55°	2042	452	545	653	696	1773
65°	946	294	484	614	636	958
75°	198	179	311	332	347	234
85°	21	88	171	208	217	29
90°	1	64	125	137	136	1
95°	1	51	97	101	97	1
105°	1	34	68	59	53	1
115°	1	4	44	42	39	1
125°	1	1	20	33	32	1
135°	1	1	1	14	18	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



TEST NUMBER: P290284

CATALOG NUMBER: 4SSRK-SLC-60-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2481.6	2481.6	2481.6	2481.6	2481.6
2.5°	2503.8	2458.9	2359.2	2291.6	2268.9
5°	2503.8	2363.3	2147.1	2055.6	2017.1
7.5°	2488.6	2242.1	2002.0	1962.3	1937.3
10°	2487.5	2112.7	1928.0	1894.7	1887.7
12.5°	2484.5	2041.0	1870.8	1988.6	2052.1
15°	2466.5	1969.9	1886.6	2310.3	2452.5
17.5°	2463.6	1916.9	2077.7	2613.9	2674.0
20°	2445.5	1874.9	2375.6	2575.5	2363.9
22.5°	2433.8	1845.8	2567.3	2071.9	1784.0
25°	2417.5	1880.8	2415.8	1647.0	1519.4
27.5°	2398.9	1993.2	2002.6	1433.7	1349.2
30°	2377.9	2169.2	1570.1	1253.1	1135.9
32.5°	2356.9	2298.0	1336.4	1028.7	891.1
35°	2328.4	2245.0	1145.2	818.3	755.3
37.5°	2301.5	2000.2	971.0	706.4	688.3
40°	2271.8	1611.5	779.8	662.1	680.7
42.5°	2246.8	1277.5	655.1	657.4	703.5
45°	2222.9	1015.3	591.0	674.3	733.2
47.5°	2208.9	807.2	565.3	694.7	741.9
50°	2187.3	646.9	556.0	698.8	725.0
52.5°	2141.9	533.3	553.1	677.2	695.3
55°	2041.6	452.3	544.9	652.8	696.5
57.5°	1856.9	402.1	526.3	658.0	725.0
60°	1586.4	363.1	507.6	674.9	728.5
62.5°	1262.4	327.5	497.7	660.9	694.1
65°	946.5	293.7	483.7	613.7	636.4
67.5°	662.7	264.6	452.3	554.8	567.1
70°	450.5	236.6	413.2	479.7	484.9
72.5°	303.1	208.6	364.8	402.1	410.3
75°	197.6	178.9	311.2	332.2	346.8
77.5°	125.9	152.1	258.2	285.0	303.6
80°	78.1	125.9	217.4	255.9	267.5
82.5°	43.7	104.9	188.2	228.5	234.9
85°	21.0	88.0	171.3	208.1	216.8
87.5°	5.2	74.6	150.9	172.5	172.5
90°	0.6	64.1	125.3	137.0	135.8
92.5°	0.6	56.5	109.0	116.6	114.2
95°	1.2	50.7	97.3	101.4	96.7
97.5°	1.2	47.8	89.8	86.8	79.8
100°	1.2	44.3	81.6	74.0	66.4
102.5°	1.2	39.6	74.6	65.3	58.9
105°	1.2	33.8	68.2	58.9	53.0
107.5°	1.2	26.8	61.2	53.6	49.0
110°	1.2	19.2	54.8	49.5	46.0



TEST NUMBER: P290284

CATALOG NUMBER: 4SSRK-SLC-60-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	11.7	49.5	46.0	43.1
115°	1.2	4.1	44.3	42.0	39.0
117.5°	1.2	1.7	39.0	40.2	36.7
120°	1.2	1.7	32.6	37.9	35.0
122.5°	1.2	1.7	26.8	35.6	33.8
125°	1.2	1.2	20.4	32.6	32.1
127.5°	1.2	1.2	14.0	28.6	29.7
130°	1.2	1.2	7.0	23.3	26.2
132.5°	1.2	1.2	1.2	19.2	21.6
135°	1.2	1.2	1.2	14.0	17.5
137.5°	1.2	1.2	1.2	7.0	12.8
140°	1.2	1.2	1.2	1.2	5.2
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)