

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: P290340

Luminaire Tested: **8SSRK-SLC-12-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290340
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-12-L930-CD1-U
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

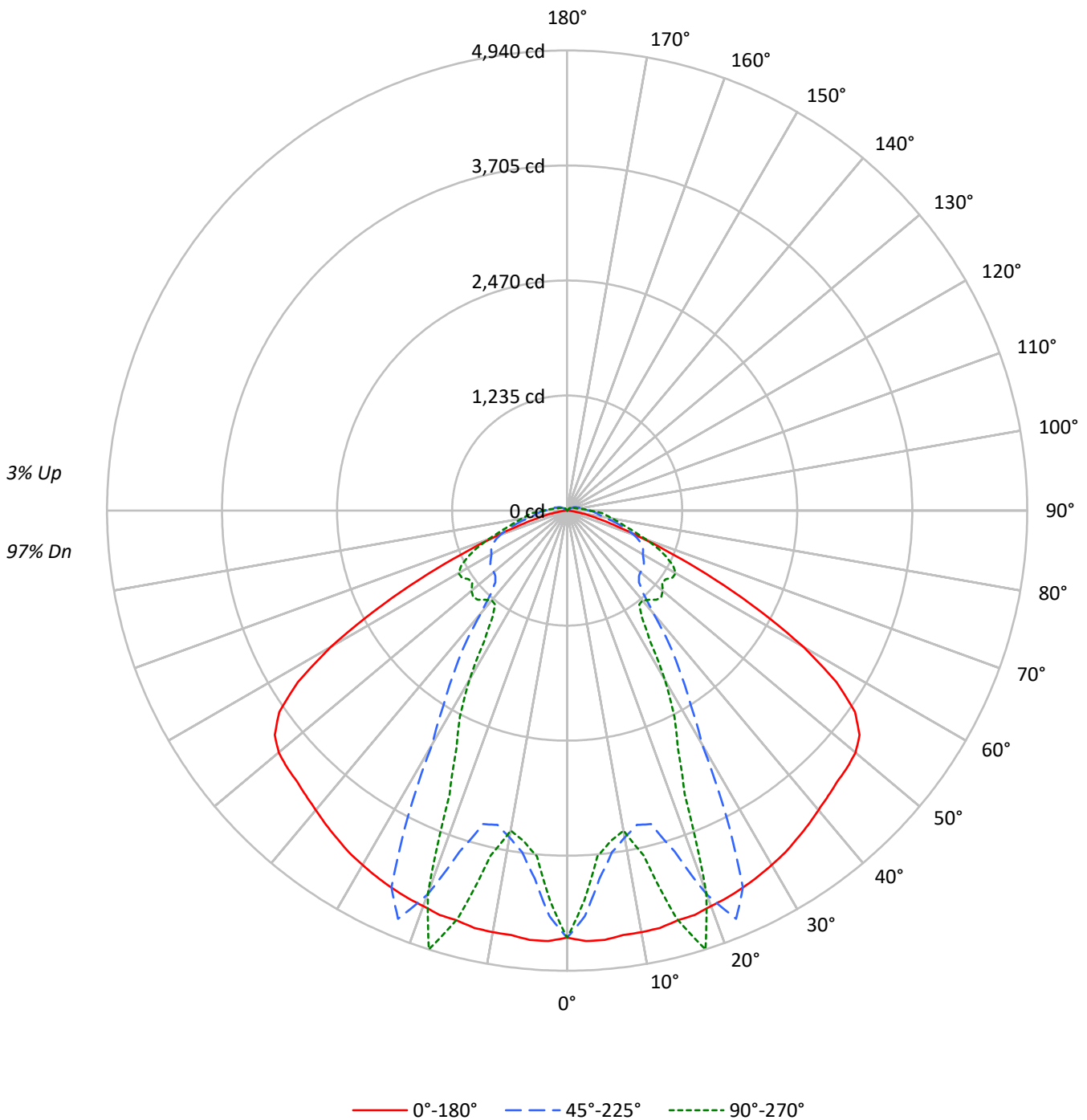
Lumens per Lamp: N/A
Luminaire Lumens: 9639.8 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 80.8951
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°	148037	148037	148037
5°	149656	102960	89475
10°	150123	77787	67054
15°	151478	66130	73106
20°	154074	74111	61104
25°	157591	68366	34903
30°	161848	40943	23643
35°	167118	27885	14472
40°	173871	17936	12168
45°	183700	12972	12370
50°	198073	11758	11668
55°	206195	11200	10791
60°	182681	10223	10963
65°	127886	9621	9379
70°	74326	8179	7054
75°	42254	6178	5018
80°	23998	4361	3880
85°	11611	3501	3176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.8	4.0
10°-20°	1143.8	11.9
20°-30°	1683.6	17.5
30°-40°	1644.7	17.1
40°-50°	1363.5	14.1
50°-60°	1251.8	13.0
60°-70°	991.9	10.3
70°-80°	550.8	5.7
80°-90°	291.7	3.0
90°-100°	153.4	1.6
100°-110°	92.3	1.0
110°-120°	52.7	0.5
120°-130°	29.1	0.3
130°-140°	9.2	0.1
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3208.3	33.3
0°-40°	4853.0	50.3
0°-60°	7468.3	77.5
0°-90°	9302.7	96.5
90°-120°	298.4	3.1
90°-150°	337.0	3.5
90°-180°	337.0	3.5
0°-180°	9639.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4584	4584	4584	4584	4584	
5°	4625	4366	3966	3797	3726	440
15°	4556	3639	3485	4268	4531	1292
25°	4466	3474	4463	3043	2807	2064
35°	4301	4147	2116	1512	1395	2699
45°	4106	1876	1092	1246	1354	3185
55°	3772	836	1007	1206	1287	3275
65°	1748	543	894	1134	1176	1770
75°	365	330	575	614	641	433
85°	39	163	316	384	400	53
90°	1	118	232	253	251	2
95°	2	94	180	187	179	2
105°	2	62	126	109	98	2
115°	2	8	82	78	72	2
125°	2	2	38	60	59	2
135°	2	2	2	26	32	2
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°	4584.4	4584.4	4584.4	4584.4	4584.4
2.5°	4625.3	4542.4	4358.3	4233.4	4191.4
5°	4625.3	4365.8	3966.4	3797.4	3726.3
7.5°	4597.3	4141.9	3698.3	3625.1	3578.8
10°	4595.2	3902.9	3561.6	3500.2	3487.3
12.5°	4589.8	3770.4	3456.1	3673.5	3790.9
15°	4556.4	3639.1	3485.1	4267.9	4530.6
17.5°	4551.0	3541.1	3838.3	4828.8	4939.7
20°	4517.6	3463.6	4388.4	4757.7	4366.9
22.5°	4496.1	3409.8	4742.7	3827.5	3295.6
25°	4466.0	3474.4	4462.7	3042.6	2806.8
27.5°	4431.5	3682.2	3699.4	2648.6	2492.5
30°	4392.8	4007.3	2900.5	2314.8	2098.4
32.5°	4354.0	4245.3	2468.8	1900.3	1646.2
35°	4301.2	4147.3	2115.6	1511.6	1395.3
37.5°	4251.7	3695.1	1793.7	1304.9	1271.5
40°	4196.8	2977.0	1440.6	1223.1	1257.5
42.5°	4150.5	2360.0	1210.2	1214.5	1299.5
45°	4106.4	1875.5	1091.7	1245.7	1354.4
47.5°	4080.5	1491.2	1044.4	1283.4	1370.6
50°	4040.7	1195.1	1027.1	1290.9	1339.4
52.5°	3956.7	985.1	1021.7	1251.1	1284.5
55°	3771.5	835.5	1006.7	1205.9	1286.6
57.5°	3430.2	742.9	972.2	1215.5	1339.4
60°	2930.7	670.8	937.8	1246.8	1345.8
62.5°	2332.0	605.1	919.5	1220.9	1282.3
65°	1748.5	542.6	893.6	1133.7	1175.7
67.5°	1224.2	488.8	835.5	1025.0	1047.6
70°	832.3	437.1	763.3	886.1	895.8
72.5°	559.9	385.4	674.0	742.9	758.0
75°	365.0	330.5	574.9	613.7	640.6
77.5°	232.6	281.0	477.0	526.5	560.9
80°	144.3	232.6	401.6	472.7	494.2
82.5°	80.7	193.8	347.8	422.0	433.9
85°	38.8	162.6	316.5	384.4	400.5
87.5°	9.7	137.8	278.9	318.7	318.7
90°	1.1	118.4	231.5	253.0	250.9
92.5°	1.1	104.4	201.3	215.3	211.0
95°	2.2	93.7	179.8	187.3	178.7
97.5°	2.2	88.3	165.8	160.4	147.5
100°	2.2	81.8	150.7	136.7	122.7
102.5°	2.2	73.2	137.8	120.6	108.7
105°	2.2	62.4	126.0	108.7	98.0
107.5°	2.2	49.5	113.0	99.1	90.4
110°	2.2	35.5	101.2	91.5	85.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	21.5	91.5	85.1	79.7
115°	2.2	7.5	81.8	77.5	72.1
117.5°	2.2	3.2	72.1	74.3	67.8
120°	2.2	3.2	60.3	70.0	64.6
122.5°	2.2	3.2	49.5	65.7	62.4
125°	2.2	2.2	37.7	60.3	59.2
127.5°	2.2	2.2	25.8	52.8	54.9
130°	2.2	2.2	12.9	43.1	48.4
132.5°	2.2	2.2	2.2	35.5	39.8
135°	2.2	2.2	2.2	25.8	32.3
137.5°	2.2	2.2	2.2	12.9	23.7
140°	2.2	2.2	2.2	2.2	9.7
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)