

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: P290341

Luminaire Tested: **8SSRK-SLC-12-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290341
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-L935-CD1-U
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

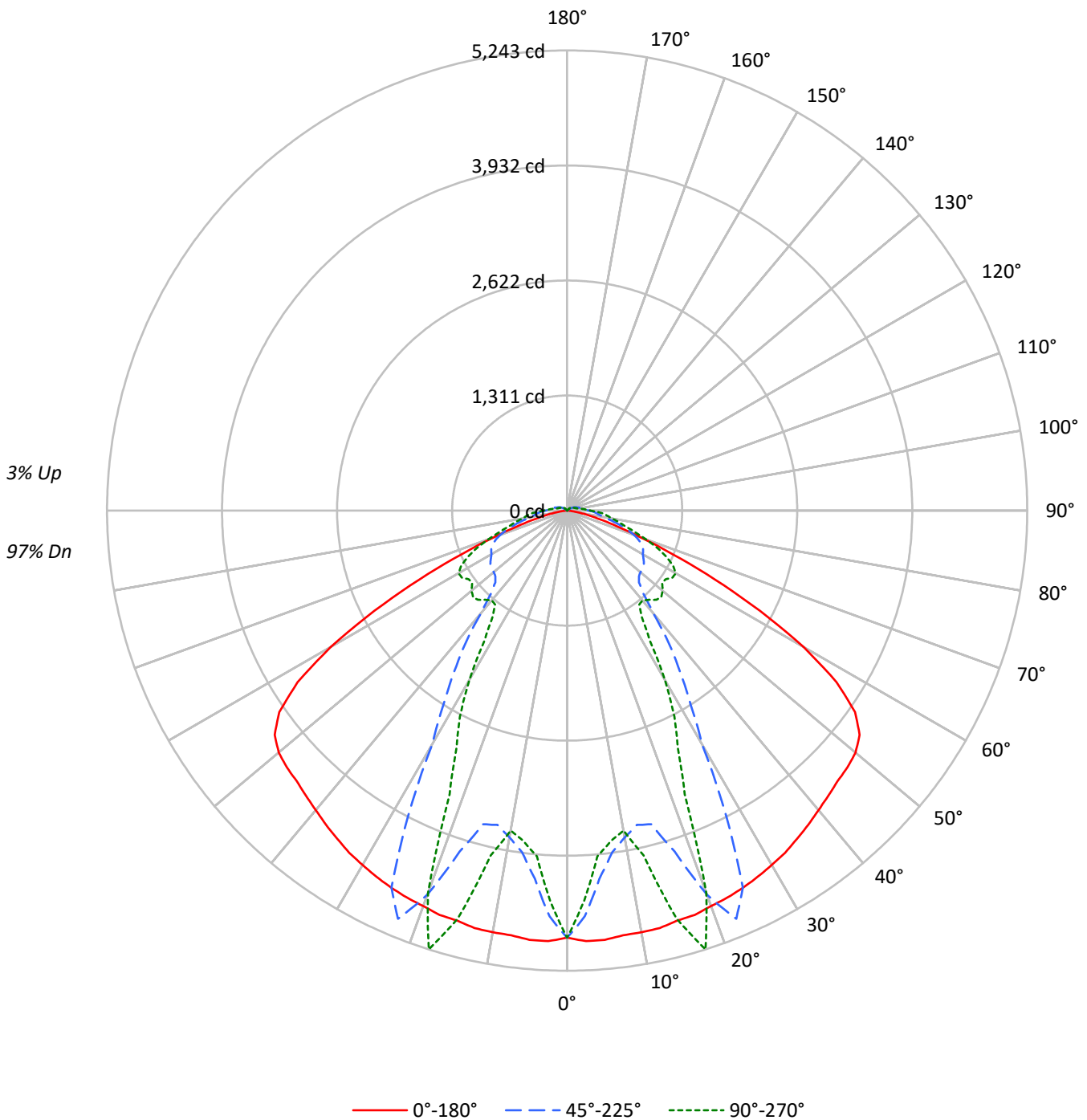
Lumens per Lamp: N/A
Luminaire Lumens: 10232.4 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

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°	157137	157137	157137
5°	158858	109288	94976
10°	159353	82568	71176
15°	160790	70196	77600
20°	163548	78667	64861
25°	167278	72570	37050
30°	171795	43460	25096
35°	177395	29600	15361
40°	184559	19038	12916
45°	194991	13770	13131
50°	210250	12482	12385
55°	218873	11888	11454
60°	193908	10851	11637
65°	135749	10213	9956
70°	78890	8682	7487
75°	44847	6558	5326
80°	25462	4629	4119
85°	12299	3716	3371



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.2	4.0
10°-20°	1214.1	11.9
20°-30°	1787.1	17.5
30°-40°	1745.8	17.1
40°-50°	1447.3	14.1
50°-60°	1328.8	13.0
60°-70°	1052.9	10.3
70°-80°	584.7	5.7
80°-90°	309.6	3.0
90°-100°	162.8	1.6
100°-110°	98.0	1.0
110°-120°	56.0	0.5
120°-130°	30.9	0.3
130°-140°	9.8	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°	3405.5	33.3
0°-40°	5151.4	50.3
0°-60°	7927.4	77.5
0°-90°	9874.7	96.5
90°-120°	316.8	3.1
90°-150°	357.7	3.5
90°-180°	358.0	3.5
0°-180°	10232.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4866	4866	4866	4866	4866	
5°	4910	4634	4210	4031	3955	467
15°	4836	3863	3699	4530	4809	1372
25°	4740	3688	4737	3230	2979	2191
35°	4566	4402	2246	1605	1481	2865
45°	4359	1991	1159	1322	1438	3380
55°	4003	887	1069	1280	1366	3477
65°	1856	576	949	1203	1248	1878
75°	387	351	610	651	680	459
85°	41	173	336	408	425	57
90°	1	126	246	269	266	2
95°	2	99	191	199	190	2
105°	2	66	134	115	104	2
115°	2	8	87	82	77	2
125°	2	2	40	64	63	2
135°	2	2	2	27	34	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°	4866.2	4866.2	4866.2	4866.2	4866.2
2.5°	4909.7	4821.7	4626.2	4493.7	4449.1
5°	4909.7	4634.2	4210.2	4030.8	3955.4
7.5°	4880.0	4396.5	3925.7	3848.0	3798.8
10°	4877.7	4142.8	3780.5	3715.4	3701.7
12.5°	4872.0	4002.2	3668.5	3899.4	4024.0
15°	4836.5	3862.8	3699.4	4530.2	4809.1
17.5°	4830.8	3758.8	4074.2	5125.7	5243.4
20°	4795.4	3676.5	4658.2	5050.2	4635.4
22.5°	4772.5	3619.4	5034.2	4062.8	3498.3
25°	4740.5	3688.0	4737.1	3229.7	2979.4
27.5°	4704.0	3908.5	3926.8	2811.4	2645.7
30°	4662.8	4253.7	3078.8	2457.1	2227.4
32.5°	4621.7	4506.2	2620.5	2017.1	1747.4
35°	4565.7	4402.2	2245.7	1604.6	1481.1
37.5°	4513.1	3922.2	1904.0	1385.1	1349.7
40°	4454.8	3160.0	1529.1	1298.3	1334.8
42.5°	4405.7	2505.1	1284.6	1289.1	1379.4
45°	4358.8	1990.8	1158.8	1322.3	1437.7
47.5°	4331.4	1582.8	1108.6	1362.3	1454.8
50°	4289.1	1268.6	1090.3	1370.3	1421.7
52.5°	4200.0	1045.7	1084.6	1328.0	1363.4
55°	4003.4	886.8	1068.6	1280.0	1365.7
57.5°	3641.1	788.6	1032.0	1290.3	1421.7
60°	3110.8	712.0	995.4	1323.4	1428.6
62.5°	2475.4	642.3	976.0	1296.0	1361.1
65°	1856.0	576.0	948.6	1203.4	1248.0
67.5°	1299.4	518.9	886.8	1088.0	1112.0
70°	883.4	464.0	810.3	940.6	950.8
72.5°	594.3	409.1	715.4	788.6	804.6
75°	387.4	350.9	610.3	651.4	680.0
77.5°	246.9	298.3	506.3	558.9	595.4
80°	153.1	246.9	426.3	501.7	524.6
82.5°	85.7	205.7	369.1	448.0	460.6
85°	41.1	172.6	336.0	408.0	425.1
87.5°	10.3	146.3	296.0	338.3	338.3
90°	1.1	125.7	245.7	268.6	266.3
92.5°	1.1	110.9	213.7	228.6	224.0
95°	2.3	99.4	190.9	198.9	189.7
97.5°	2.3	93.7	176.0	170.3	156.6
100°	2.3	86.9	160.0	145.1	130.3
102.5°	2.3	77.7	146.3	128.0	115.4
105°	2.3	66.3	133.7	115.4	104.0
107.5°	2.3	52.6	120.0	105.1	96.0
110°	2.3	37.7	107.4	97.1	90.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	22.9	97.1	90.3	84.6
115°	2.3	8.0	86.9	82.3	76.6
117.5°	2.3	3.4	76.6	78.9	72.0
120°	2.3	3.4	64.0	74.3	68.6
122.5°	2.3	3.4	52.6	69.7	66.3
125°	2.3	2.3	40.0	64.0	62.9
127.5°	2.3	2.3	27.4	56.0	58.3
130°	2.3	2.3	13.7	45.7	51.4
132.5°	2.3	2.3	2.3	37.7	42.3
135°	2.3	2.3	2.3	27.4	34.3
137.5°	2.3	2.3	2.3	13.7	25.1
140°	2.3	2.3	2.3	2.3	10.3
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)