

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: P290521

Luminaire Tested: **8SSRK-SLW-12-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLW-12-L835-CD1-U
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10924.4 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

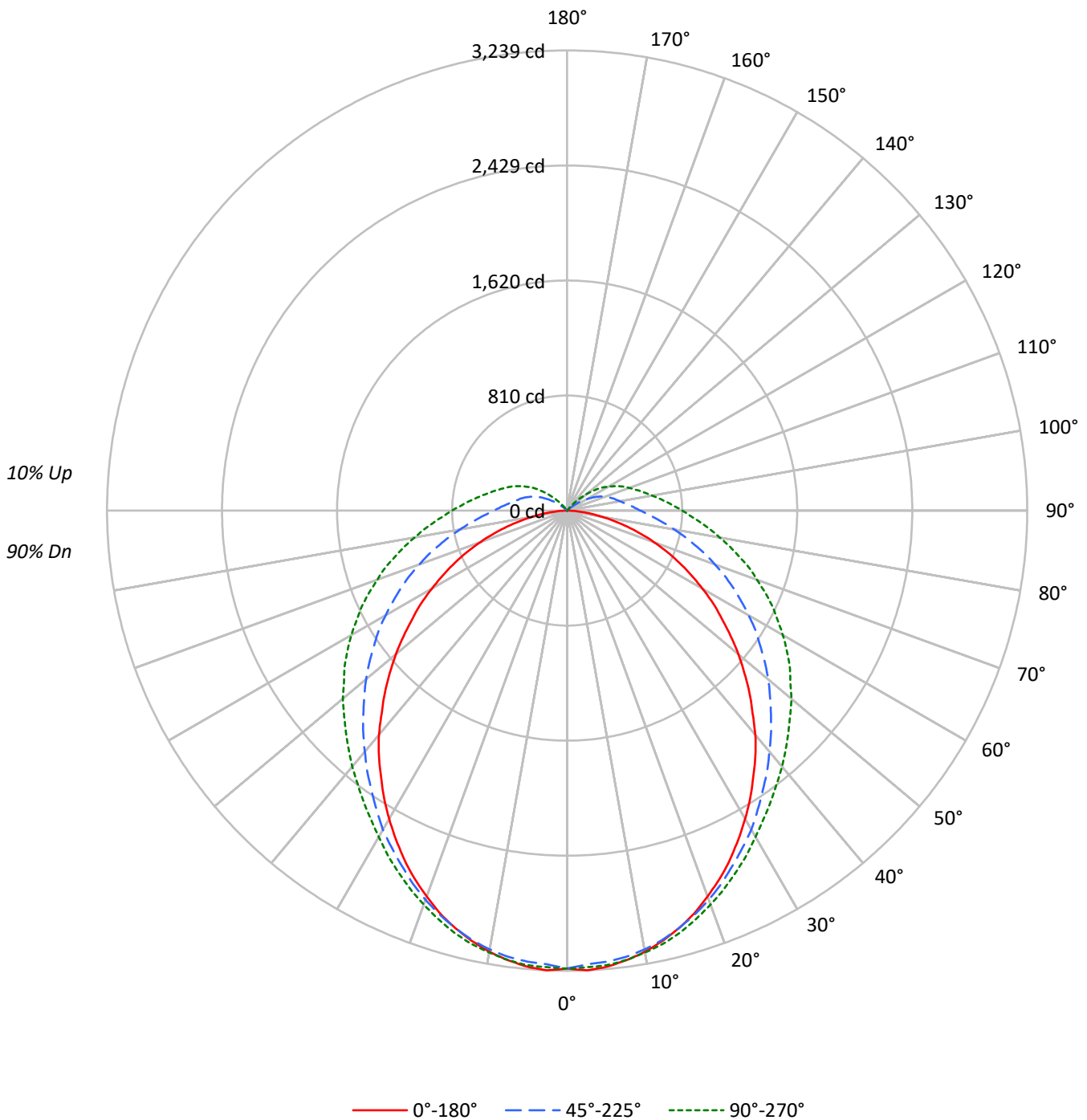
Input Watts (W): 80.8951
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	104079	104079	104079
5°	104286	82746	77131
10°	103030	68522	60743
15°	101135	57724	49615
20°	98557	49238	41292
25°	95680	42227	34937
30°	92334	36605	29877
35°	88754	31651	25922
40°	85394	27577	22775
45°	81190	24104	20118
50°	77162	21151	17955
55°	72746	18451	16044
60°	68523	16092	14286
65°	63786	13900	12720
70°	58073	11852	11196
75°	50554	9971	9815
80°	40962	8303	8556
85°	28907	6922	7455



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.6	2.8
10°-20°	861.4	7.9
20°-30°	1274.4	11.7
30°-40°	1505.1	13.8
40°-50°	1564.6	14.3
50°-60°	1475.1	13.5
60°-70°	1257.4	11.5
70°-80°	950.9	8.7
80°-90°	641.6	5.9
90°-100°	440.5	4.0
100°-110°	315.9	2.9
110°-120°	202.7	1.9
120°-130°	103.4	0.9
130°-140°	26.3	0.2
140°-150°	0.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2440.4	22.3
0°-40°	3945.5	36.1
0°-60°	6985.2	63.9
0°-90°	9835.2	90.0
90°-120°	959.2	8.8
90°-150°	1089.2	10.0
90°-180°	1089.0	10.0
0°-180°	10924.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3223	3223	3223	3223	3223	
5°	3223	3215	3188	3218	3212	305
15°	3042	3052	3042	3072	3075	857
25°	2712	2743	2756	2804	2810	1247
35°	2284	2339	2401	2473	2499	1431
45°	1815	1905	2028	2154	2203	1400
55°	1331	1468	1658	1837	1913	1194
65°	872	1049	1291	1505	1594	865
75°	437	649	928	1165	1253	467
85°	97	325	626	857	940	110
90°	1	230	514	733	811	6
95°	1	182	438	631	702	2
105°	3	117	332	478	532	3
115°	3	15	230	360	405	3
125°	3	4	97	224	269	2
135°	3	1	1	71	105	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°	3223.1	3223.1	3223.1	3223.1	3223.1
2.5°	3239.4	3228.5	3197.2	3224.4	3217.6
5°	3223.1	3214.9	3187.7	3217.6	3212.2
7.5°	3191.8	3190.4	3168.7	3200.0	3190.4
10°	3153.7	3155.1	3137.4	3168.7	3159.1
12.5°	3102.0	3107.4	3095.2	3125.1	3123.8
15°	3042.1	3051.7	3042.1	3072.1	3074.8
17.5°	2974.1	2989.1	2982.3	3019.0	3014.9
20°	2889.8	2910.2	2915.6	2952.3	2951.0
22.5°	2805.4	2831.3	2840.8	2878.9	2884.3
25°	2711.5	2742.8	2756.4	2804.0	2809.5
27.5°	2609.5	2650.3	2674.8	2722.4	2734.7
30°	2506.1	2549.6	2593.2	2640.8	2651.7
32.5°	2398.6	2446.2	2496.6	2561.9	2574.1
35°	2284.3	2338.7	2401.3	2473.4	2499.3
37.5°	2176.8	2238.1	2311.5	2395.9	2423.1
40°	2061.2	2123.8	2214.9	2310.2	2353.7
42.5°	1931.9	2016.3	2125.1	2239.4	2277.5
45°	1814.9	1904.7	2028.5	2153.7	2202.7
47.5°	1692.5	1797.3	1937.4	2076.2	2129.2
50°	1574.1	1688.4	1847.6	1997.3	2061.2
52.5°	1451.7	1580.9	1753.7	1919.7	1979.6
55°	1330.6	1468.0	1658.5	1836.7	1912.9
57.5°	1221.8	1361.9	1572.8	1755.1	1832.6
60°	1099.3	1261.2	1476.2	1672.1	1753.7
62.5°	986.4	1151.0	1380.9	1589.1	1670.7
65°	872.1	1049.0	1291.1	1504.7	1594.5
67.5°	764.6	942.8	1200.0	1421.8	1507.5
70°	650.3	843.5	1106.1	1334.7	1421.8
72.5°	545.6	744.2	1019.0	1250.3	1344.2
75°	436.7	649.0	927.9	1164.6	1253.0
77.5°	340.1	556.5	846.2	1084.3	1172.8
80°	246.3	472.1	764.6	1004.1	1089.8
82.5°	167.3	394.6	692.5	930.6	1015.0
85°	96.6	325.2	625.8	857.1	940.1
87.5°	36.7	270.7	566.0	793.2	869.4
90°	1.4	229.9	514.3	733.3	810.9
92.5°	1.4	201.4	474.8	678.9	751.0
95°	1.4	182.3	438.1	631.3	702.0
97.5°	2.7	167.3	405.4	589.1	651.7
100°	2.7	152.4	378.2	548.3	608.2
102.5°	2.7	137.4	353.7	511.6	567.3
105°	2.7	117.0	332.0	477.5	532.0
107.5°	2.7	91.2	307.5	449.0	496.6
110°	2.7	66.7	281.6	420.4	466.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	40.8	258.5	391.8	436.7
115°	2.7	15.0	229.9	360.5	405.4
117.5°	2.7	5.4	195.9	330.6	370.1
120°	2.7	4.1	163.3	298.0	337.4
122.5°	2.7	4.1	129.3	262.6	304.8
125°	2.7	4.1	96.6	224.5	269.4
127.5°	2.7	2.7	62.6	185.0	225.8
130°	2.7	2.7	29.9	146.9	186.4
132.5°	2.7	2.7	1.4	107.5	145.6
135°	2.7	1.4	1.4	70.7	104.8
137.5°	2.7	1.4	0.0	34.0	68.0
140°	2.7	1.4	0.0	0.0	27.2
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)