

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: P290477

Luminaire Tested: **8SSRK-SLW-40-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290477
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-40-L935-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3254.8 lumens
Efficiency: N/A
Efficacy: 120.5 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

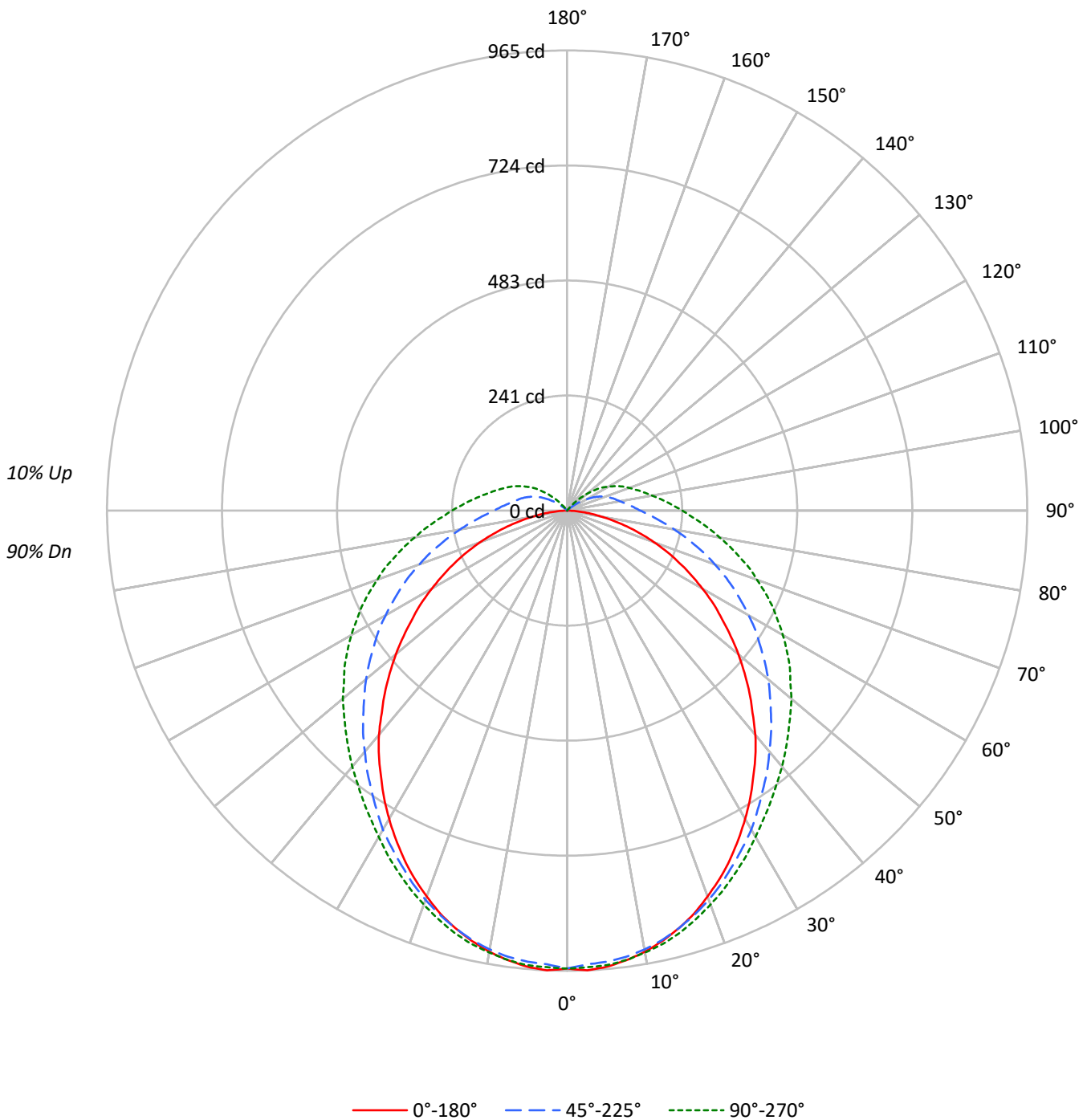
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	31010	31010	31010
5°	31071	24652	22979
10°	30696	20414	18097
15°	30133	17199	14782
20°	29365	14671	12302
25°	28508	12580	10408
30°	27511	10906	8901
35°	26444	9429	7723
40°	25442	8216	6786
45°	24188	7182	5994
50°	22990	6302	5349
55°	21672	5497	4780
60°	20414	4794	4256
65°	19002	4142	3790
70°	17307	3531	3336
75°	15061	2970	2924
80°	12207	2474	2549
85°	8618	2063	2221



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	2.8
10°-20°	256.6	7.9
20°-30°	379.7	11.7
30°-40°	448.4	13.8
40°-50°	466.2	14.3
50°-60°	439.5	13.5
60°-70°	374.6	11.5
70°-80°	283.3	8.7
80°-90°	191.2	5.9
90°-100°	131.3	4.0
100°-110°	94.1	2.9
110°-120°	60.4	1.9
120°-130°	30.8	0.9
130°-140°	7.8	0.2
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°	727.1	22.3
0°-40°	1175.5	36.1
0°-60°	2081.1	63.9
0°-90°	2930.3	90.0
90°-120°	285.8	8.8
90°-150°	324.5	10.0
90°-180°	325.0	10.0
0°-180°	3254.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	960	960	960	960	960	
5°	960	958	950	959	957	91
15°	906	909	906	915	916	255
25°	808	817	821	835	837	372
35°	681	697	715	737	745	426
45°	541	568	604	642	656	417
55°	396	437	494	547	570	356
65°	260	312	385	448	475	258
75°	130	193	276	347	373	139
85°	29	97	186	255	280	33
90°	0	68	153	218	242	2
95°	0	54	130	188	209	0
105°	1	35	99	142	158	1
115°	1	4	68	107	121	1
125°	1	1	29	67	80	1
135°	1	0	0	21	31	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°	960.3	960.3	960.3	960.3	960.3
2.5°	965.1	961.9	952.6	960.7	958.6
5°	960.3	957.8	949.7	958.6	957.0
7.5°	950.9	950.5	944.1	953.4	950.5
10°	939.6	940.0	934.7	944.1	941.2
12.5°	924.2	925.8	922.2	931.1	930.7
15°	906.4	909.2	906.4	915.3	916.1
17.5°	886.1	890.6	888.5	899.5	898.3
20°	861.0	867.0	868.7	879.6	879.2
22.5°	835.8	843.5	846.4	857.7	859.3
25°	807.9	817.2	821.2	835.4	837.0
27.5°	777.5	789.6	796.9	811.1	814.8
30°	746.7	759.6	772.6	786.8	790.0
32.5°	714.6	728.8	743.8	763.3	766.9
35°	680.6	696.8	715.4	736.9	744.6
37.5°	648.6	666.8	688.7	713.8	721.9
40°	614.1	632.7	659.9	688.3	701.3
42.5°	575.6	600.7	633.2	667.2	678.6
45°	540.7	567.5	604.4	641.7	656.3
47.5°	504.3	535.5	577.2	618.6	634.4
50°	469.0	503.0	550.5	595.1	614.1
52.5°	432.5	471.0	522.5	571.9	589.8
55°	396.4	437.4	494.1	547.2	569.9
57.5°	364.0	405.8	468.6	522.9	546.0
60°	327.5	375.8	439.8	498.2	522.5
62.5°	293.9	342.9	411.4	473.4	497.8
65°	259.8	312.5	384.7	448.3	475.1
67.5°	227.8	280.9	357.5	423.6	449.1
70°	193.8	251.3	329.5	397.6	423.6
72.5°	162.5	221.7	303.6	372.5	400.5
75°	130.1	193.4	276.4	347.0	373.3
77.5°	101.3	165.8	252.1	323.1	349.4
80°	73.4	140.7	227.8	299.1	324.7
82.5°	49.9	117.6	206.3	277.3	302.4
85°	28.8	96.9	186.5	255.4	280.1
87.5°	10.9	80.7	168.6	236.3	259.0
90°	0.4	68.5	153.2	218.5	241.6
92.5°	0.4	60.0	141.5	202.3	223.8
95°	0.4	54.3	130.5	188.1	209.2
97.5°	0.8	49.9	120.8	175.5	194.2
100°	0.8	45.4	112.7	163.4	181.2
102.5°	0.8	40.9	105.4	152.4	169.0
105°	0.8	34.9	98.9	142.3	158.5
107.5°	0.8	27.2	91.6	133.8	148.0
110°	0.8	19.9	83.9	125.3	139.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	12.2	77.0	116.7	130.1
115°	0.8	4.5	68.5	107.4	120.8
117.5°	0.8	1.6	58.4	98.5	110.3
120°	0.8	1.2	48.6	88.8	100.5
122.5°	0.8	1.2	38.5	78.2	90.8
125°	0.8	1.2	28.8	66.9	80.3
127.5°	0.8	0.8	18.6	55.1	67.3
130°	0.8	0.8	8.9	43.8	55.5
132.5°	0.8	0.8	0.4	32.0	43.4
135°	0.8	0.4	0.4	21.1	31.2
137.5°	0.8	0.4	0.0	10.1	20.3
140°	0.8	0.4	0.0	0.0	8.1
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)