

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: P290454

Luminaire Tested: **4SSRK-SLW-40-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290454
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: 4SSRK-SLW-40-L940-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3355.5 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

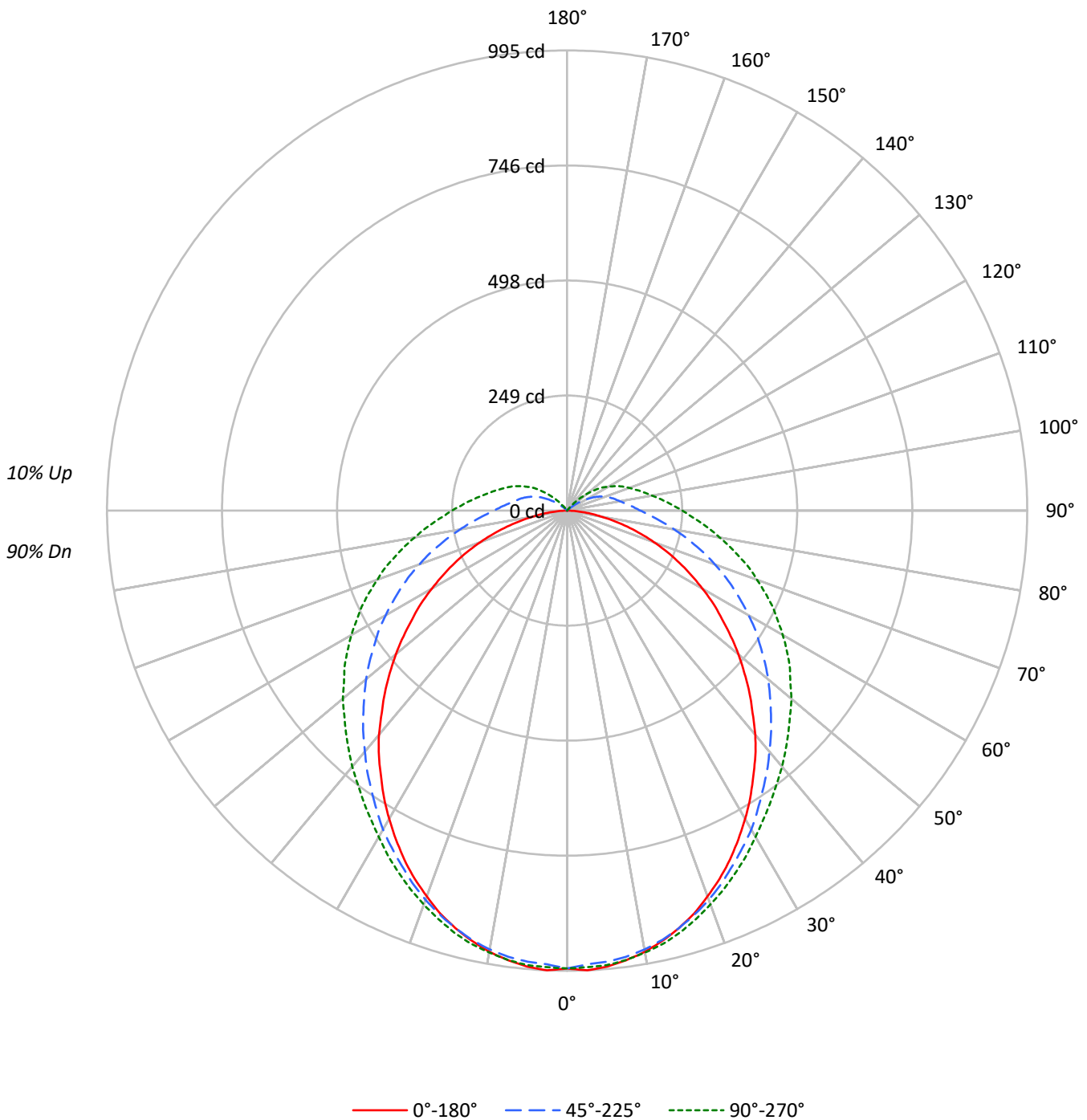
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	63937	63937	63937
5°	63948	50779	47385
10°	63063	42023	37318
15°	61785	35381	30478
20°	60091	30170	25366
25°	58221	25866	21463
30°	56059	22414	18354
35°	53747	19377	15925
40°	51572	16879	13992
45°	48882	14752	12359
50°	46281	12941	11030
55°	43434	11287	9856
60°	40683	9843	8777
65°	37581	8502	7815
70°	33852	7249	6878
75°	28959	6096	6030
80°	22743	5077	5256
85°	14908	4230	4581



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	2.8
10°-20°	264.6	7.9
20°-30°	391.4	11.7
30°-40°	462.3	13.8
40°-50°	480.6	14.3
50°-60°	453.1	13.5
60°-70°	386.2	11.5
70°-80°	292.1	8.7
80°-90°	197.1	5.9
90°-100°	135.3	4.0
100°-110°	97.0	2.9
110°-120°	62.3	1.9
120°-130°	31.8	0.9
130°-140°	8.0	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°	749.6	22.3
0°-40°	1211.9	36.1
0°-60°	2145.6	63.9
0°-90°	3021.0	90.0
90°-120°	294.6	8.8
90°-150°	334.5	10.0
90°-180°	335.0	10.0
0°-180°	3355.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	990	990	990	990	990	
5°	990	988	979	988	987	94
15°	934	937	934	944	944	263
25°	833	842	847	861	863	383
35°	702	718	738	760	768	439
45°	558	585	623	662	677	430
55°	409	451	509	564	588	367
65°	268	322	397	462	490	266
75°	134	199	285	358	385	143
85°	30	100	192	263	289	34
90°	0	71	158	225	249	2
95°	0	56	135	194	216	0
105°	1	36	102	147	163	1
115°	1	5	71	111	124	1
125°	1	1	30	69	83	1
135°	1	0	0	22	32	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°	990.0	990.0	990.0	990.0	990.0
2.5°	995.0	991.7	982.1	990.4	988.3
5°	990.0	987.5	979.1	988.3	986.7
7.5°	980.4	980.0	973.3	982.9	980.0
10°	968.7	969.1	963.7	973.3	970.4
12.5°	952.8	954.5	950.7	959.9	959.5
15°	934.4	937.3	934.4	943.6	944.4
17.5°	913.5	918.1	916.0	927.3	926.1
20°	887.6	893.9	895.6	906.8	906.4
22.5°	861.7	869.6	872.6	884.3	885.9
25°	832.9	842.5	846.7	861.3	863.0
27.5°	801.5	814.1	821.6	836.2	840.0
30°	769.8	783.1	796.5	811.1	814.5
32.5°	736.8	751.4	766.8	786.9	790.7
35°	701.6	718.4	737.6	759.7	767.7
37.5°	668.6	687.4	710.0	735.9	744.3
40°	633.1	652.3	680.3	709.6	723.0
42.5°	593.4	619.3	652.8	687.9	699.6
45°	557.5	585.1	623.1	661.5	676.6
47.5°	519.9	552.0	595.1	637.7	654.0
50°	483.5	518.6	567.5	613.5	633.1
52.5°	445.9	485.6	538.7	589.7	608.0
55°	408.7	450.9	509.4	564.2	587.6
57.5°	375.3	418.3	483.1	539.1	562.9
60°	337.7	387.4	453.4	513.6	538.7
62.5°	303.0	353.5	424.2	488.1	513.2
65°	267.9	322.2	396.6	462.2	489.8
67.5°	234.9	289.6	368.6	436.7	463.0
70°	199.8	259.1	339.8	410.0	436.7
72.5°	167.6	228.6	313.0	384.0	412.9
75°	134.1	199.3	285.0	357.7	384.9
77.5°	104.5	170.9	259.9	333.1	360.2
80°	75.6	145.0	234.9	308.4	334.7
82.5°	51.4	121.2	212.7	285.8	311.8
85°	29.7	99.9	192.2	263.3	288.8
87.5°	11.3	83.2	173.8	243.6	267.0
90°	0.4	70.6	158.0	225.2	249.1
92.5°	0.4	61.8	145.8	208.5	230.7
95°	0.4	56.0	134.6	193.9	215.6
97.5°	0.8	51.4	124.5	180.9	200.2
100°	0.8	46.8	116.2	168.4	186.8
102.5°	0.8	42.2	108.7	157.1	174.3
105°	0.8	35.9	102.0	146.7	163.4
107.5°	0.8	28.0	94.4	137.9	152.5
110°	0.8	20.5	86.5	129.1	143.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	12.5	79.4	120.4	134.1
115°	0.8	4.6	70.6	110.7	124.5
117.5°	0.8	1.7	60.2	101.5	113.7
120°	0.8	1.3	50.1	91.5	103.6
122.5°	0.8	1.3	39.7	80.7	93.6
125°	0.8	1.3	29.7	69.0	82.7
127.5°	0.8	0.8	19.2	56.8	69.4
130°	0.8	0.8	9.2	45.1	57.3
132.5°	0.8	0.8	0.4	33.0	44.7
135°	0.8	0.4	0.4	21.7	32.2
137.5°	0.8	0.4	0.0	10.4	20.9
140°	0.8	0.4	0.0	0.0	8.4
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)