

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: P290455

Luminaire Tested: **4SSRK-SLW-40-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290455
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-L950-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3573.6 lumens
Efficiency: N/A
Efficacy: 129.0 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

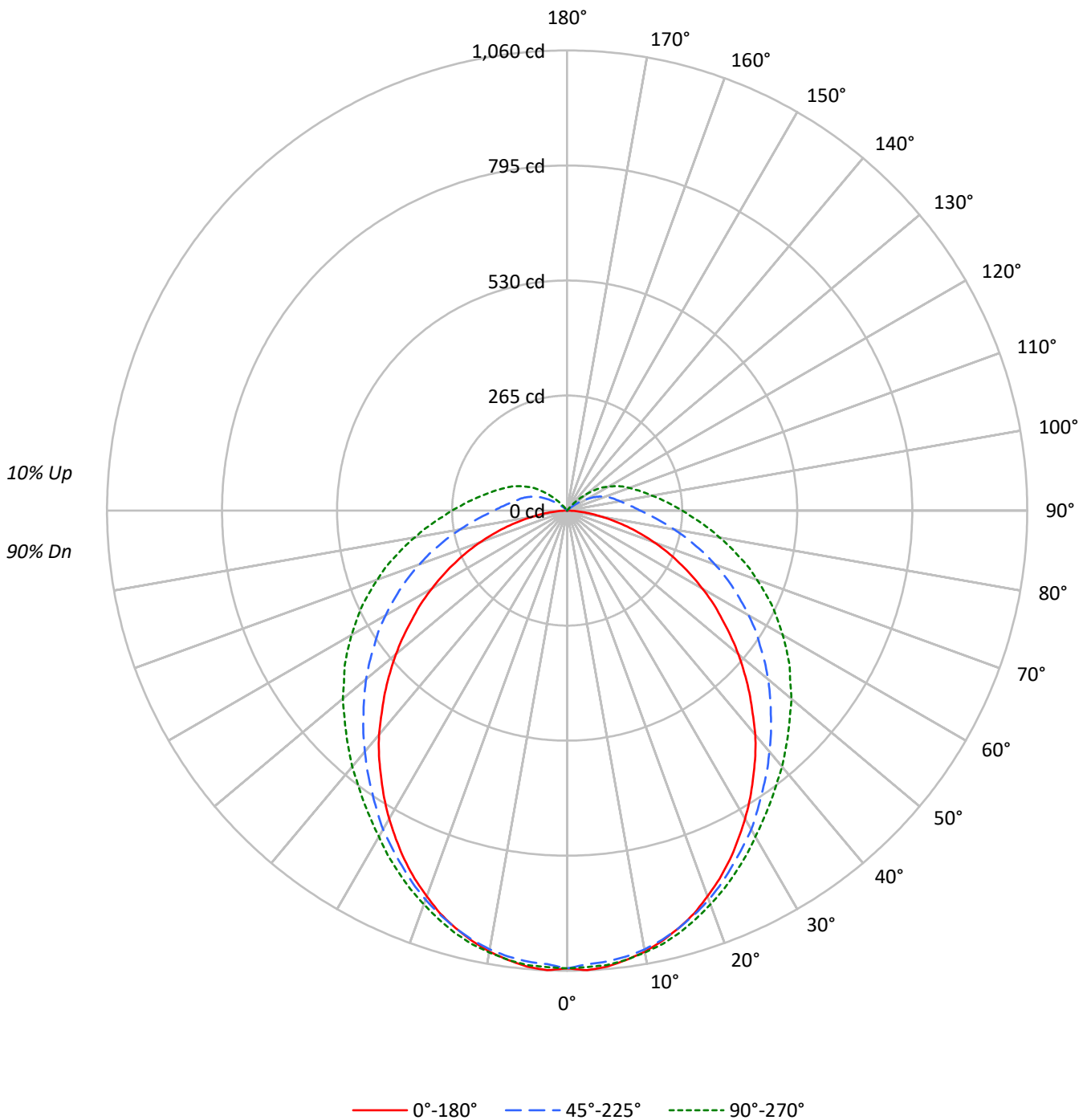
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	68096	68096	68096
5°	68108	54082	50463
10°	67165	44752	39740
15°	65806	37684	32459
20°	63998	32131	27014
25°	62002	27546	22858
30°	59700	23872	19546
35°	57248	20636	16960
40°	54928	17978	14901
45°	52056	15711	13163
50°	49286	13783	11748
55°	46261	12021	10497
60°	43322	10483	9347
65°	40022	9055	8322
70°	36038	7718	7325
75°	30859	6492	6421
80°	24247	5406	5598
85°	15862	4506	4877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	2.8
10°-20°	281.8	7.9
20°-30°	416.9	11.7
30°-40°	492.4	13.8
40°-50°	511.8	14.3
50°-60°	482.6	13.5
60°-70°	411.3	11.5
70°-80°	311.1	8.7
80°-90°	209.9	5.9
90°-100°	144.1	4.0
100°-110°	103.3	2.9
110°-120°	66.3	1.9
120°-130°	33.8	0.9
130°-140°	8.6	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°	798.3	22.3
0°-40°	1290.7	36.1
0°-60°	2285.1	63.9
0°-90°	3217.3	90.0
90°-120°	313.8	8.8
90°-150°	356.3	10.0
90°-180°	356.0	10.0
0°-180°	3573.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1054	1054	1054	1054	1054	
5°	1054	1052	1043	1053	1051	100
15°	995	998	995	1005	1006	280
25°	887	897	902	917	919	408
35°	747	765	786	809	818	468
45°	594	623	664	704	721	458
55°	435	480	542	601	626	391
65°	285	343	422	492	522	283
75°	143	212	304	381	410	153
85°	32	106	205	280	308	36
90°	0	75	168	240	265	2
95°	0	60	143	206	230	1
105°	1	38	109	156	174	1
115°	1	5	75	118	133	1
125°	1	1	32	73	88	1
135°	1	0	0	23	34	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°	1054.4	1054.4	1054.4	1054.4	1054.4
2.5°	1059.7	1056.1	1045.9	1054.8	1052.6
5°	1054.4	1051.7	1042.8	1052.6	1050.8
7.5°	1044.1	1043.7	1036.6	1046.8	1043.7
10°	1031.7	1032.1	1026.3	1036.6	1033.4
12.5°	1014.7	1016.5	1012.5	1022.3	1021.9
15°	995.2	998.3	995.2	1005.0	1005.8
17.5°	972.9	977.8	975.6	987.6	986.3
20°	945.3	952.0	953.8	965.8	965.3
22.5°	917.7	926.2	929.3	941.8	943.5
25°	887.0	897.3	901.7	917.3	919.1
27.5°	853.6	867.0	875.0	890.6	894.6
30°	819.8	834.1	848.3	863.9	867.4
32.5°	784.7	800.2	816.7	838.1	842.1
35°	747.3	765.1	785.5	809.1	817.6
37.5°	712.1	732.1	756.2	783.8	792.7
40°	674.3	694.7	724.6	755.7	770.0
42.5°	632.0	659.6	695.2	732.6	745.0
45°	593.7	623.1	663.6	704.5	720.6
47.5°	553.7	587.9	633.8	679.2	696.5
50°	514.9	552.3	604.4	653.4	674.3
52.5°	474.9	517.2	573.7	628.0	647.6
55°	435.3	480.2	542.5	600.8	625.8
57.5°	399.7	445.5	514.5	574.1	599.5
60°	359.6	412.6	482.9	547.0	573.7
62.5°	322.7	376.5	451.7	519.8	546.5
65°	285.3	343.1	422.4	492.2	521.6
67.5°	250.1	308.4	392.5	465.1	493.1
70°	212.7	275.9	361.8	436.6	465.1
72.5°	178.5	243.5	333.4	409.0	439.7
75°	142.9	212.3	303.5	381.0	409.9
77.5°	111.3	182.0	276.8	354.7	383.6
80°	80.6	154.4	250.1	328.5	356.5
82.5°	54.7	129.1	226.5	304.4	332.0
85°	31.6	106.4	204.7	280.4	307.5
87.5°	12.0	88.6	185.1	259.5	284.4
90°	0.4	75.2	168.2	239.9	265.3
92.5°	0.4	65.9	155.3	222.1	245.7
95°	0.4	59.6	143.3	206.5	229.7
97.5°	0.9	54.7	132.6	192.7	213.2
100°	0.9	49.8	123.7	179.4	198.9
102.5°	0.9	45.0	115.7	167.3	185.6
105°	0.9	38.3	108.6	156.2	174.0
107.5°	0.9	29.8	100.6	146.9	162.4
110°	0.9	21.8	92.1	137.5	152.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	13.4	84.6	128.2	142.9
115°	0.9	4.9	75.2	117.9	132.6
117.5°	0.9	1.8	64.1	108.2	121.1
120°	0.9	1.3	53.4	97.5	110.4
122.5°	0.9	1.3	42.3	85.9	99.7
125°	0.9	1.3	31.6	73.4	88.1
127.5°	0.9	0.9	20.5	60.5	73.9
130°	0.9	0.9	9.8	48.1	61.0
132.5°	0.9	0.9	0.4	35.2	47.6
135°	0.9	0.4	0.4	23.1	34.3
137.5°	0.9	0.4	0.0	11.1	22.3
140°	0.9	0.4	0.0	0.0	8.9
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)