

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: P289926

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-LW-40-L940-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3161.4 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

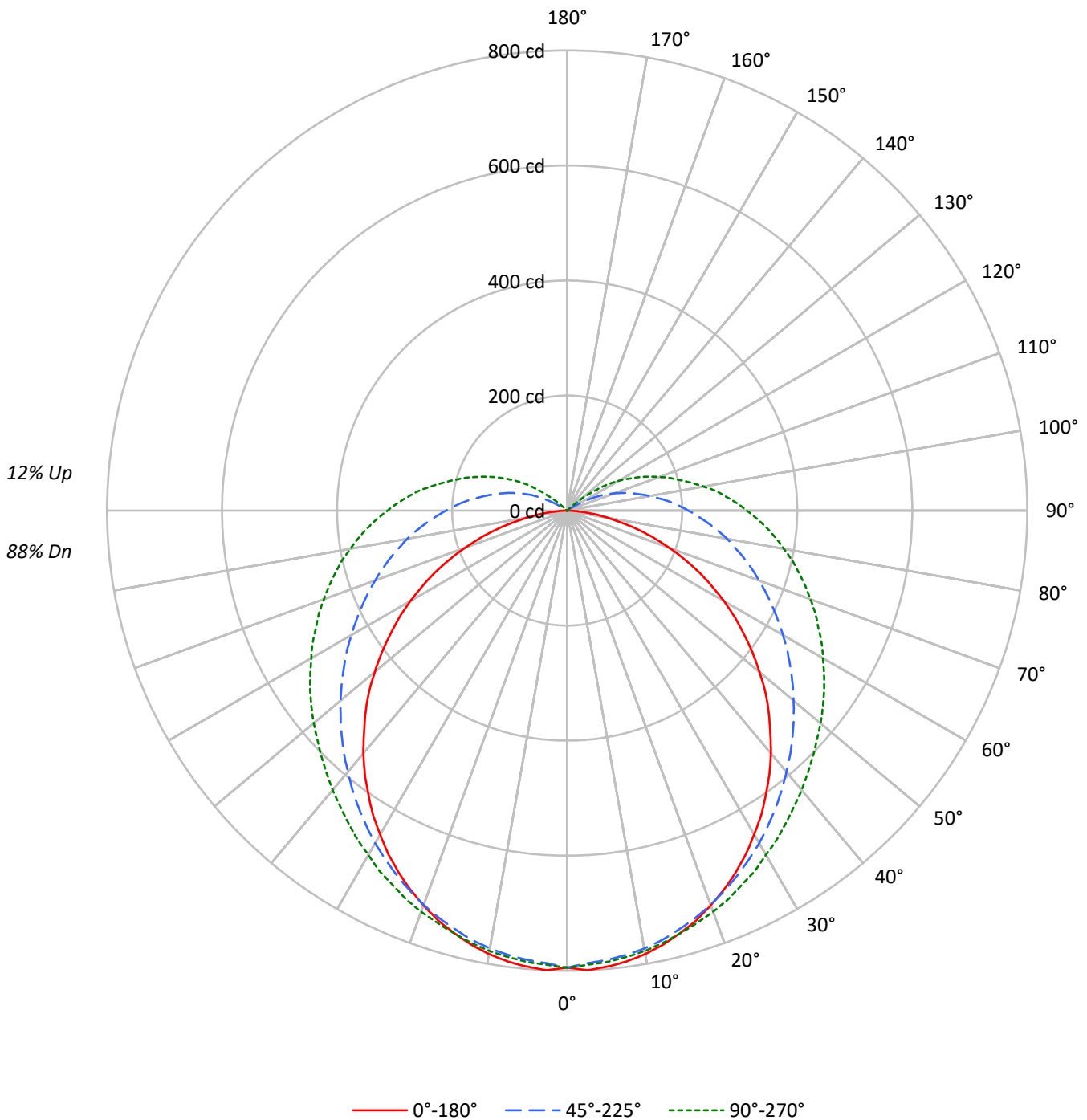
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	103	97	92	87	99	94	89	84	87	83	79	81	78	75	75	73	71	67
2	93	83	75	68	89	80	73	67	74	68	63	69	64	60	65	61	57	54
3	84	72	63	56	80	70	61	54	65	58	52	60	54	50	56	51	47	44
4	76	63	54	47	73	61	52	46	57	50	44	53	47	42	50	44	40	37
5	70	56	47	40	67	54	46	39	51	43	37	48	41	36	45	39	34	32
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	40	35	30	28
7	60	46	36	30	57	44	36	30	42	34	28	39	32	27	37	31	26	24
8	55	41	33	27	53	40	32	26	38	31	25	36	29	24	34	28	24	21
9	52	38	30	24	50	37	29	23	35	28	23	33	27	22	31	25	21	19
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	51311	51311	51311
5°	51423	40681	37833
10°	50961	33711	29892
15°	50267	28532	24546
20°	49429	24568	20771
25°	48491	21384	17857
30°	47356	18793	15576
35°	46163	16590	13757
40°	44900	14713	12277
45°	43455	13121	11039
50°	41801	11721	10018
55°	39884	10492	9149
60°	37912	9409	8368
65°	35407	8440	7689
70°	32006	7577	7089
75°	27533	6802	6528
80°	21239	6106	6005
85°	12800	5399	5527



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	2.4
10°-20°	214.1	6.8
20°-30°	324.7	10.3
30°-40°	396.3	12.5
40°-50°	426.8	13.5
50°-60°	419.2	13.3
60°-70°	378.8	12.0
70°-80°	315.4	10.0
80°-90°	241.9	7.7
90°-100°	175.1	5.5
100°-110°	113.1	3.6
110°-120°	61.0	1.9
120°-130°	19.3	0.6
130°-140°	0.7	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	613.9	19.4
0°-40°	1010.2	32.0
0°-60°	1856.2	58.7
0°-90°	2792.2	88.3
90°-120°	349.2	11.0
90°-150°	369.2	11.7
90°-180°	369.0	11.7
0°-180°	3161.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	794	794	794	794	794	
5°	796	793	784	790	788	76
15°	760	758	754	762	761	214
25°	694	695	700	715	718	319
35°	603	611	632	656	663	377
45°	496	514	554	590	604	382
55°	375	412	474	526	545	336
65°	252	307	394	460	482	249
75°	128	212	318	392	417	135
85°	26	130	245	322	348	31
90°	1	97	211	286	312	1
95°	2	71	178	253	278	1
105°	2	25	116	182	204	2
115°	1	1	58	116	138	1
125°	1	0	0	46	66	1
135°	0	0	0	0	0	0
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°	794.5	794.5	794.5	794.5	794.5
2.5°	799.9	796.5	787.8	793.2	790.7
5°	796.1	793.2	784.4	790.3	787.8
7.5°	790.7	787.8	779.4	785.3	783.2
10°	782.8	779.8	773.1	779.0	777.3
12.5°	772.7	770.6	764.4	771.5	769.8
15°	760.2	758.5	753.5	761.9	760.6
17.5°	746.8	745.1	742.2	751.0	751.4
20°	730.1	729.7	729.3	740.5	742.2
22.5°	713.0	713.4	715.1	728.8	731.3
25°	693.7	694.6	700.0	715.1	718.0
27.5°	673.3	676.2	684.1	701.7	706.3
30°	650.3	655.3	667.8	686.2	691.2
32.5°	627.7	633.1	649.9	671.6	678.3
35°	602.6	610.6	631.5	656.5	663.2
37.5°	577.6	586.8	612.7	639.8	648.2
40°	551.2	563.3	593.0	623.5	634.4
42.5°	522.8	539.9	574.2	606.8	618.9
45°	495.6	514.5	554.2	590.5	604.3
47.5°	467.6	490.2	534.1	574.6	589.3
50°	436.7	463.9	514.0	558.8	575.0
52.5°	406.6	438.8	494.0	542.5	560.4
55°	375.3	412.5	473.5	526.2	545.4
57.5°	346.0	385.7	453.9	509.0	529.5
60°	314.7	359.8	433.4	493.1	513.6
62.5°	282.9	333.9	413.3	476.0	499.0
65°	252.4	307.2	393.7	459.7	481.9
67.5°	219.8	282.9	374.5	442.2	467.2
70°	188.9	257.9	355.2	425.4	450.1
72.5°	158.0	233.6	336.4	408.7	433.8
75°	127.5	211.5	318.0	391.6	416.7
77.5°	97.0	188.1	299.2	374.5	400.8
80°	70.6	167.6	282.5	356.9	382.4
82.5°	48.1	148.4	263.7	340.2	366.1
85°	25.5	129.6	245.3	321.8	348.5
87.5°	7.5	112.8	227.3	303.8	330.6
90°	0.8	97.4	210.6	286.3	312.2
92.5°	1.3	84.0	194.7	270.4	295.5
95°	1.7	70.6	178.4	252.8	277.5
97.5°	1.7	58.9	161.7	234.9	261.2
100°	1.7	47.6	145.9	216.5	240.7
102.5°	1.7	37.2	130.8	198.1	221.9
105°	1.7	25.1	116.2	181.8	204.4
107.5°	1.7	12.5	102.0	165.9	188.1
110°	1.7	2.5	87.8	149.6	170.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	1.7	74.0	132.5	154.2
115°	1.3	1.3	58.5	115.8	137.5
117.5°	1.3	1.3	41.8	100.3	119.9
120°	1.3	0.8	24.2	84.0	103.6
122.5°	0.8	0.8	7.9	65.2	86.5
125°	0.8	0.4	0.4	46.4	66.0
127.5°	0.8	0.4	0.0	25.9	44.7
130°	0.8	0.4	0.0	7.5	25.5
132.5°	0.8	0.4	0.0	0.0	5.4
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)