

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: P289929

Luminaire Tested: **4SSRK-LW-40-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289929
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-L835-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3674.5 lumens
Efficiency: N/A
Efficacy: 132.7 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

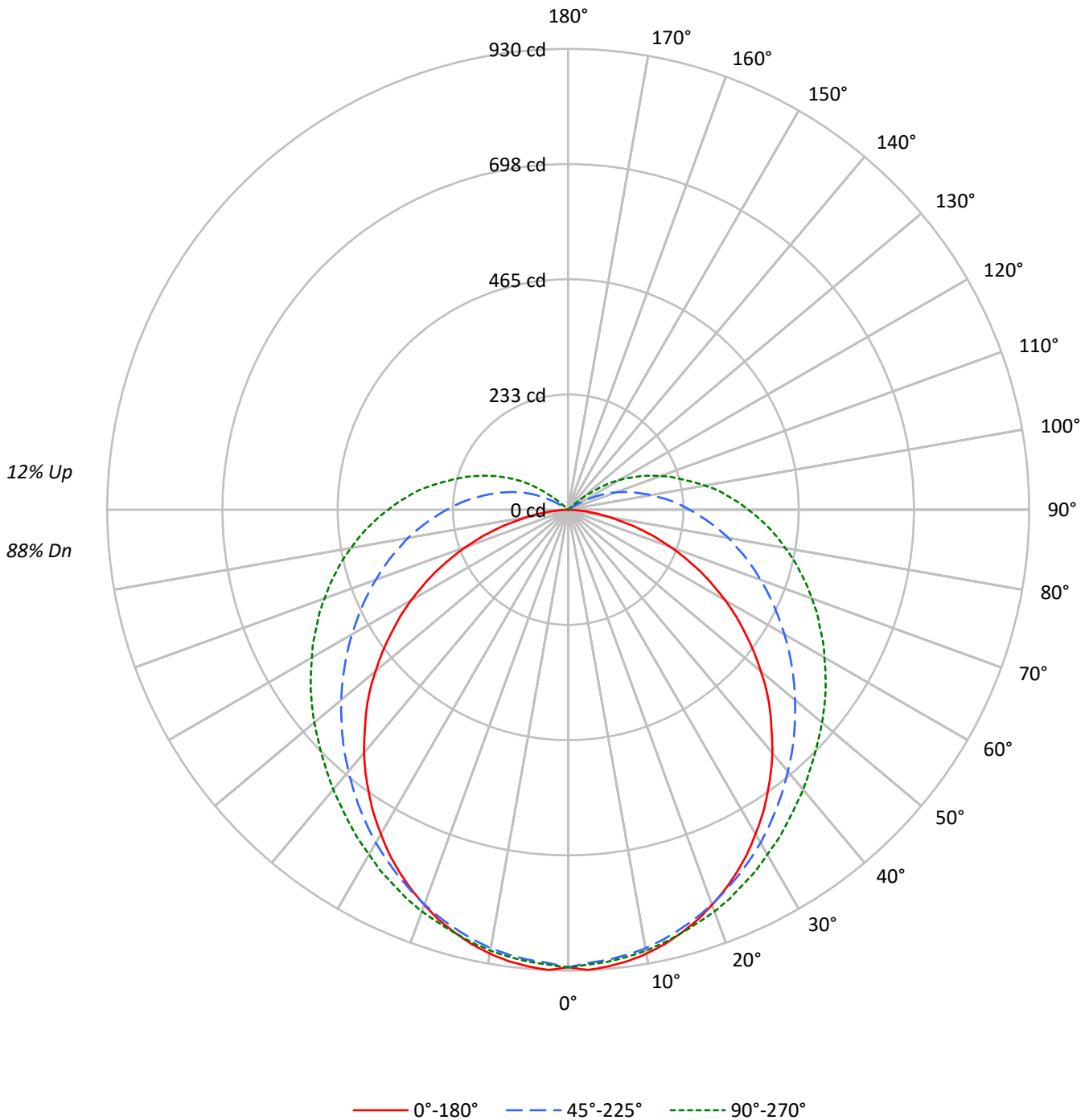
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	59636	59636	59636
5°	59775	47288	43970
10°	59229	39184	34745
15°	58426	33162	28532
20°	57451	28553	24143
25°	56361	24854	20754
30°	55039	21843	18104
35°	53663	19283	15991
40°	52191	17102	14271
45°	50513	15249	12831
50°	48588	13626	11645
55°	46356	12196	10633
60°	44069	10935	9726
65°	41159	9809	8936
70°	37207	8808	8240
75°	32004	7908	7587
80°	24698	7098	6980
85°	14858	6275	6425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	2.4
10°-20°	248.9	6.8
20°-30°	377.4	10.3
30°-40°	460.6	12.5
40°-50°	496.1	13.5
50°-60°	487.2	13.3
60°-70°	440.3	12.0
70°-80°	366.5	10.0
80°-90°	281.1	7.7
90°-100°	203.5	5.5
100°-110°	131.5	3.6
110°-120°	70.9	1.9
120°-130°	22.4	0.6
130°-140°	0.8	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°	713.5	19.4
0°-40°	1174.2	32.0
0°-60°	2157.5	58.7
0°-90°	3245.4	88.3
90°-120°	405.9	11.0
90°-150°	429.1	11.7
90°-180°	429.0	11.7
0°-180°	3674.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	923	923	923	923	923	
5°	925	922	912	919	916	88
15°	884	882	876	886	884	249
25°	806	807	814	831	834	371
35°	700	710	734	763	771	438
45°	576	598	644	686	702	444
55°	436	479	550	612	634	391
65°	293	357	458	534	560	290
75°	148	246	370	455	484	157
85°	30	151	285	374	405	36
90°	1	113	245	333	363	2
95°	2	82	207	294	322	1
105°	2	29	135	211	238	2
115°	2	2	68	135	160	2
125°	1	0	0	54	77	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°	923.4	923.4	923.4	923.4	923.4
2.5°	929.7	925.8	915.6	922.0	919.0
5°	925.4	922.0	911.8	918.6	915.6
7.5°	919.0	915.6	905.9	912.7	910.3
10°	909.8	906.4	898.6	905.4	903.5
12.5°	898.2	895.7	888.4	896.7	894.8
15°	883.6	881.6	875.8	885.5	884.1
17.5°	868.0	866.1	862.7	872.9	873.4
20°	848.6	848.1	847.6	860.8	862.7
22.5°	828.7	829.2	831.1	847.1	850.1
25°	806.3	807.3	813.6	831.1	834.5
27.5°	782.5	785.9	795.2	815.6	820.9
30°	755.8	761.7	776.2	797.6	803.4
32.5°	729.6	735.9	755.3	780.6	788.4
35°	700.5	709.7	734.0	763.1	770.9
37.5°	671.3	682.0	712.1	743.7	753.4
40°	640.7	654.8	689.3	724.7	737.4
42.5°	607.7	627.6	667.4	705.3	719.4
45°	576.1	598.0	644.1	686.4	702.4
47.5°	543.6	569.8	620.8	667.9	684.9
50°	507.6	539.2	597.5	649.4	668.4
52.5°	472.6	510.0	574.2	630.5	651.4
55°	436.2	479.4	550.4	611.6	633.9
57.5°	402.2	448.3	527.5	591.6	615.4
60°	365.8	418.2	503.7	573.2	597.0
62.5°	328.9	388.1	480.4	553.3	580.0
65°	293.4	357.0	457.6	534.3	560.1
67.5°	255.5	328.9	435.2	513.9	543.1
70°	219.6	299.7	412.9	494.5	523.2
72.5°	183.6	271.5	391.0	475.1	504.2
75°	148.2	245.8	369.7	455.1	484.3
77.5°	112.7	218.6	347.8	435.2	465.8
80°	82.1	194.8	328.4	414.8	444.5
82.5°	55.9	172.4	306.5	395.4	425.5
85°	29.6	150.6	285.1	374.0	405.1
87.5°	8.7	131.2	264.2	353.1	384.2
90°	1.0	113.2	244.8	332.7	362.9
92.5°	1.5	97.6	226.4	314.3	343.4
95°	1.9	82.1	207.4	293.9	322.5
97.5°	1.9	68.5	188.0	273.0	303.6
100°	1.9	55.4	169.5	251.6	279.8
102.5°	1.9	43.2	152.0	230.2	257.9
105°	1.9	29.1	135.0	211.3	237.5
107.5°	1.9	14.6	118.5	192.8	218.6
110°	1.9	2.9	102.0	173.9	198.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	1.9	86.0	154.0	179.2
115°	1.5	1.5	68.0	134.6	159.8
117.5°	1.5	1.5	48.6	116.6	139.4
120°	1.5	1.0	28.2	97.6	120.5
122.5°	1.0	1.0	9.2	75.8	100.6
125°	1.0	0.5	0.5	53.9	76.7
127.5°	1.0	0.5	0.0	30.1	52.0
130°	1.0	0.5	0.0	8.7	29.6
132.5°	1.0	0.5	0.0	0.0	6.3
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)