

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: P289917

Luminaire Tested: **4SSRK-LW-30-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289917
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-30-L935-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2321.4 lumens
Efficiency: N/A
Efficacy: 113.8 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

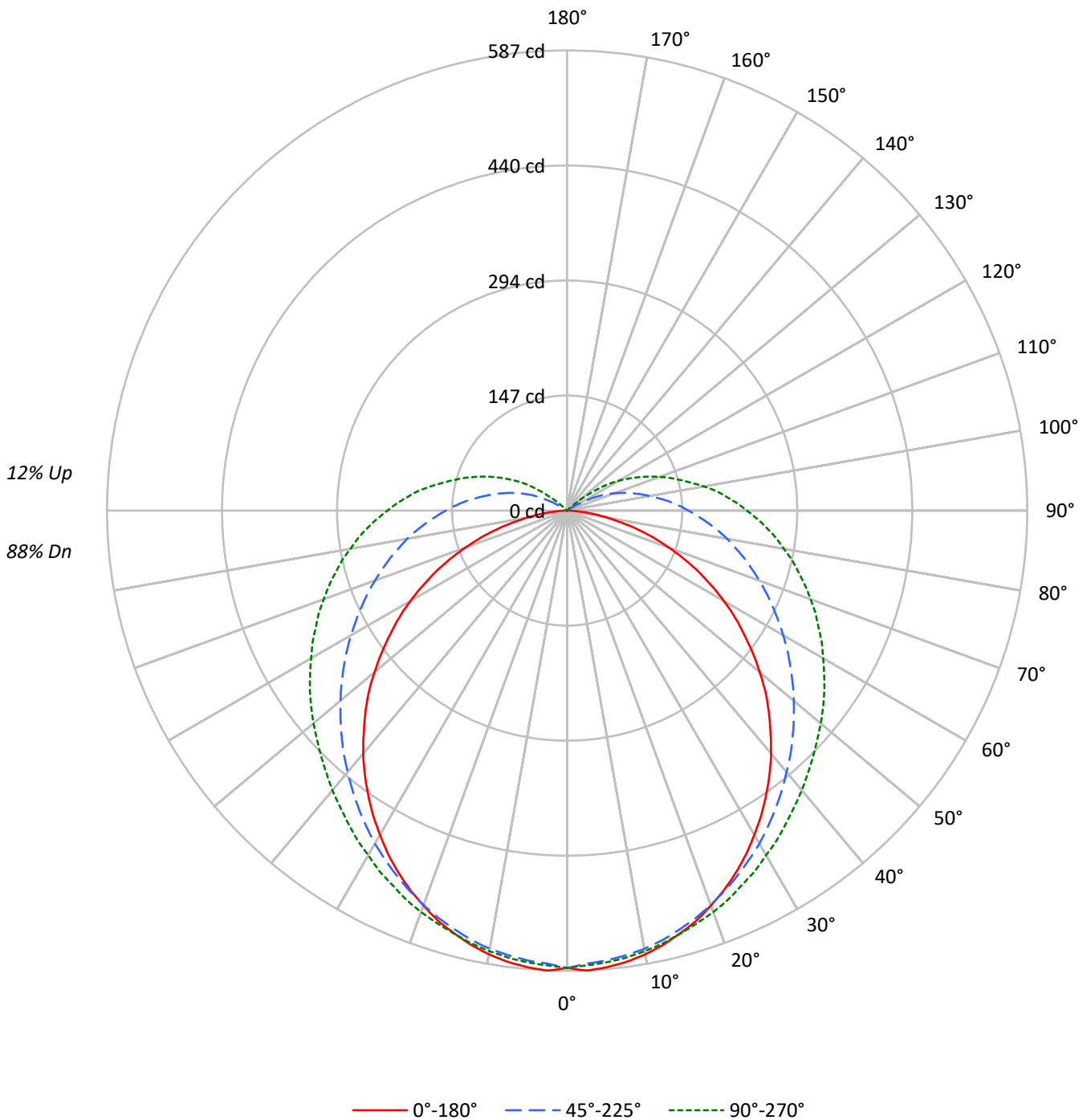
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	37678	37678	37678
5°	37762	29873	27782
10°	37420	24755	21951
15°	36910	20951	18024
20°	36295	18039	15252
25°	35608	15702	13112
30°	34773	13800	11438
35°	33898	12182	10102
40°	32975	10802	9014
45°	31907	9633	8105
50°	30697	8609	7357
55°	29289	7704	6718
60°	27841	6908	6144
65°	25994	6197	5645
70°	23500	5563	5205
75°	20213	4995	4792
80°	15613	4483	4409
85°	9386	3964	4059



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	2.4
10°-20°	157.2	6.8
20°-30°	238.4	10.3
30°-40°	291.0	12.5
40°-50°	313.4	13.5
50°-60°	307.8	13.3
60°-70°	278.1	12.0
70°-80°	231.5	10.0
80°-90°	177.6	7.7
90°-100°	128.6	5.5
100°-110°	83.1	3.6
110°-120°	44.8	1.9
120°-130°	14.2	0.6
130°-140°	0.5	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°	450.8	19.4
0°-40°	741.8	32.0
0°-60°	1363.0	58.7
0°-90°	2050.3	88.3
90°-120°	256.4	11.0
90°-150°	271.1	11.7
90°-180°	271.0	11.7
0°-180°	2321.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	583	583	583	583	583	
5°	585	582	576	580	578	55
15°	558	557	553	559	558	157
25°	509	510	514	525	527	235
35°	442	448	464	482	487	277
45°	364	378	407	434	444	281
55°	276	303	348	386	400	247
65°	185	226	289	338	354	183
75°	94	155	234	288	306	99
85°	19	95	180	236	256	22
90°	1	72	155	210	229	1
95°	1	52	131	186	204	1
105°	1	18	85	134	150	1
115°	1	1	43	85	101	1
125°	1	0	0	34	48	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°	583.4	583.4	583.4	583.4	583.4
2.5°	587.4	584.9	578.5	582.4	580.6
5°	584.6	582.4	576.0	580.3	578.5
7.5°	580.6	578.5	572.3	576.6	575.1
10°	574.8	572.6	567.7	572.0	570.8
12.5°	567.4	565.9	561.3	566.5	565.3
15°	558.2	557.0	553.3	559.4	558.5
17.5°	548.4	547.2	545.0	551.4	551.8
20°	536.1	535.8	535.5	543.8	545.0
22.5°	523.5	523.8	525.1	535.2	537.0
25°	509.4	510.0	514.0	525.1	527.2
27.5°	494.4	496.5	502.3	515.2	518.6
30°	477.5	481.2	490.4	503.9	507.6
32.5°	460.9	464.9	477.2	493.1	498.1
35°	442.5	448.3	463.7	482.1	487.0
37.5°	424.1	430.8	449.9	469.8	476.0
40°	404.8	413.7	435.4	457.9	465.8
42.5°	383.9	396.5	421.6	445.6	454.5
45°	363.9	377.8	406.9	433.6	443.7
47.5°	343.4	360.0	392.2	421.9	432.7
50°	320.7	340.6	377.5	410.3	422.3
52.5°	298.6	322.2	362.7	398.3	411.5
55°	275.6	302.9	347.7	386.3	400.5
57.5°	254.1	283.2	333.3	373.8	388.8
60°	231.1	264.2	318.2	362.1	377.1
62.5°	207.8	245.2	303.5	349.5	366.4
65°	185.3	225.5	289.1	337.6	353.8
67.5°	161.4	207.8	275.0	324.7	343.1
70°	138.7	189.3	260.8	312.4	330.5
72.5°	116.0	171.5	247.0	300.1	318.5
75°	93.6	155.3	233.5	287.5	305.9
77.5°	71.2	138.1	219.7	275.0	294.3
80°	51.9	123.1	207.4	262.1	280.8
82.5°	35.3	108.9	193.6	249.8	268.8
85°	18.7	95.1	180.1	236.3	255.9
87.5°	5.5	82.9	166.9	223.1	242.7
90°	0.6	71.5	154.7	210.2	229.2
92.5°	0.9	61.7	143.0	198.5	217.0
95°	1.2	51.9	131.0	185.7	203.8
97.5°	1.2	43.3	118.8	172.5	191.8
100°	1.2	35.0	107.1	159.0	176.8
102.5°	1.2	27.3	96.1	145.5	162.9
105°	1.2	18.4	85.3	133.5	150.1
107.5°	1.2	9.2	74.9	121.8	138.1
110°	1.2	1.8	64.4	109.9	125.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	1.2	54.3	97.3	113.2
115°	0.9	0.9	43.0	85.0	101.0
117.5°	0.9	0.9	30.7	73.6	88.1
120°	0.9	0.6	17.8	61.7	76.1
122.5°	0.6	0.6	5.8	47.9	63.5
125°	0.6	0.3	0.3	34.1	48.5
127.5°	0.6	0.3	0.0	19.0	32.8
130°	0.6	0.3	0.0	5.5	18.7
132.5°	0.6	0.3	0.0	0.0	4.0
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)