

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: P289918

Luminaire Tested: **4SSRK-LW-30-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289918
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-L940-CD1-U
Description: 3000 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: 2377.6 lumens
Efficiency: N/A
Efficacy: 116.5 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

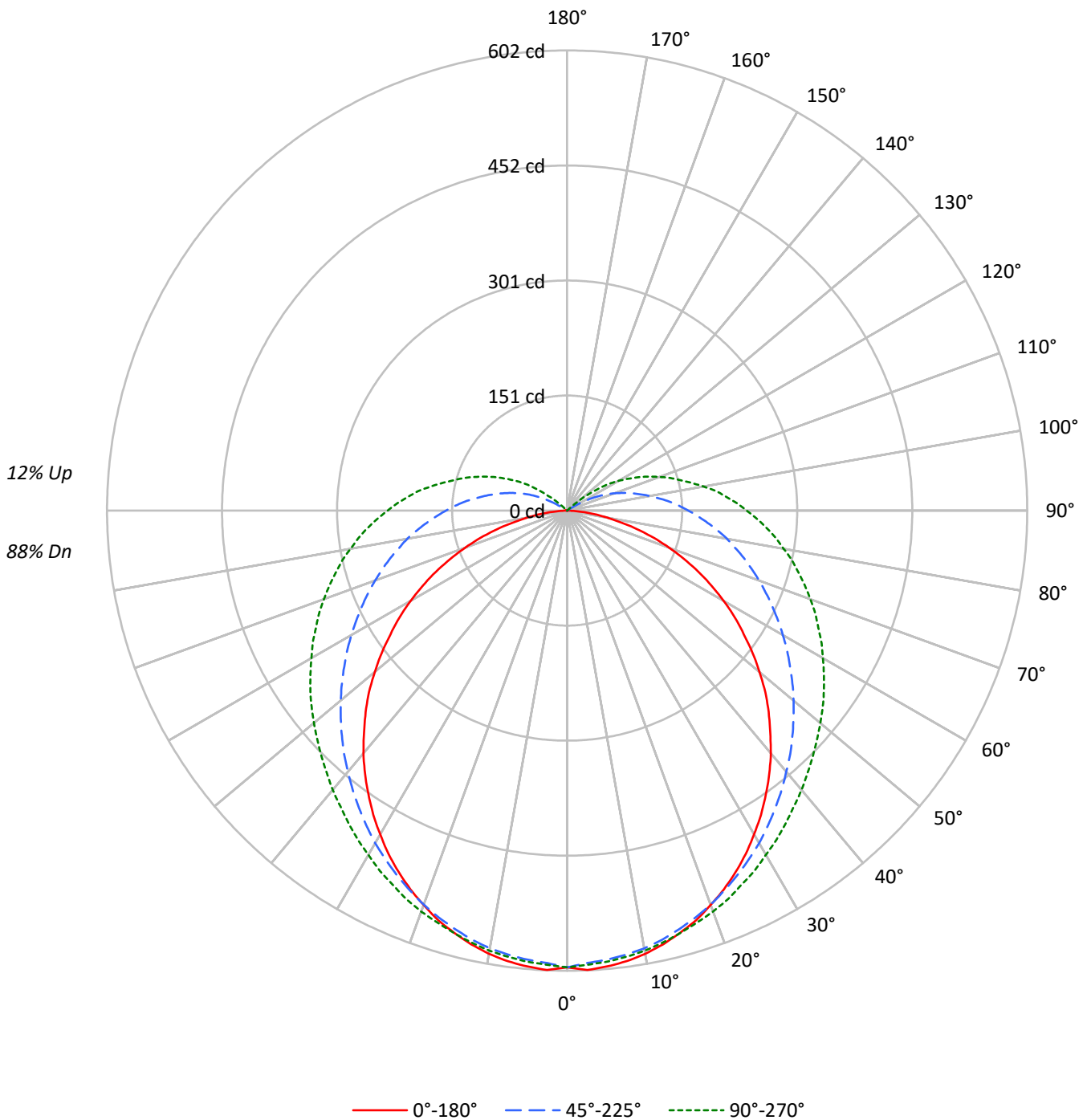
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	38588	38588	38588
5°	38673	30594	28454
10°	38325	25357	22481
15°	37803	21458	18460
20°	37175	18477	15621
25°	36467	16084	13430
30°	35617	14135	11715
35°	34718	12476	10347
40°	33773	11065	9233
45°	32687	9868	8302
50°	31434	8816	7535
55°	29990	7891	6881
60°	28516	7075	6294
65°	26625	6347	5782
70°	24076	5700	5331
75°	20709	5116	4910
80°	15974	4593	4516
85°	9637	4061	4157



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	2.4
10°-20°	161.1	6.8
20°-30°	244.2	10.3
30°-40°	298.1	12.5
40°-50°	321.0	13.5
50°-60°	315.3	13.3
60°-70°	284.9	12.0
70°-80°	237.2	10.0
80°-90°	181.9	7.7
90°-100°	131.7	5.5
100°-110°	85.1	3.6
110°-120°	45.8	1.9
120°-130°	14.5	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°	461.7	19.4
0°-40°	759.7	32.0
0°-60°	1396.0	58.7
0°-90°	2099.9	88.3
90°-120°	262.6	11.0
90°-150°	277.7	11.7
90°-180°	278.0	11.7
0°-180°	2377.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	598	598	598	598	598	
5°	599	596	590	594	592	57
15°	572	570	567	573	572	161
25°	522	522	526	538	540	240
35°	453	459	475	494	499	284
45°	373	387	417	444	454	287
55°	282	310	356	396	410	253
65°	190	231	296	346	362	187
75°	96	159	239	294	313	102
85°	19	97	184	242	262	23
90°	1	73	158	215	235	1
95°	1	53	134	190	209	1
105°	1	19	87	137	154	1
115°	1	1	44	87	103	1
125°	1	0	0	35	50	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°	597.5	597.5	597.5	597.5	597.5
2.5°	601.6	599.1	592.5	596.5	594.7
5°	598.7	596.5	589.9	594.3	592.5
7.5°	594.7	592.5	586.2	590.6	589.0
10°	588.7	586.5	581.5	585.9	584.6
12.5°	581.1	579.6	574.9	580.2	578.9
15°	571.7	570.5	566.7	573.0	572.0
17.5°	561.7	560.4	558.2	564.8	565.1
20°	549.1	548.8	548.5	556.9	558.2
22.5°	536.2	536.5	537.8	548.1	550.0
25°	521.7	522.4	526.5	537.8	540.0
27.5°	506.3	508.5	514.5	527.7	531.2
30°	489.1	492.8	502.3	516.1	519.9
32.5°	472.1	476.2	488.7	505.1	510.1
35°	453.2	459.2	474.9	493.8	498.8
37.5°	434.4	441.3	460.8	481.2	487.5
40°	414.6	423.7	446.0	468.9	477.1
42.5°	393.2	406.1	431.9	456.4	465.5
45°	372.8	386.9	416.8	444.1	454.5
47.5°	351.7	368.7	401.7	432.2	443.2
50°	328.4	348.9	386.6	420.2	432.5
52.5°	305.8	330.0	371.5	408.0	421.5
55°	282.2	310.2	356.1	395.7	410.2
57.5°	260.2	290.1	341.3	382.8	398.2
60°	236.7	270.6	325.9	370.9	386.3
62.5°	212.8	251.1	310.8	358.0	375.3
65°	189.8	231.0	296.1	345.7	362.4
67.5°	165.3	212.8	281.6	332.5	351.4
70°	142.1	193.9	267.2	320.0	338.5
72.5°	118.8	175.7	253.0	307.4	326.2
75°	95.9	159.0	239.2	294.5	313.4
77.5°	72.9	141.4	225.0	281.6	301.4
80°	53.1	126.0	212.5	268.4	287.6
82.5°	36.1	111.6	198.3	255.8	275.3
85°	19.2	97.4	184.5	242.0	262.1
87.5°	5.7	84.9	171.0	228.5	248.6
90°	0.6	73.2	158.4	215.3	234.8
92.5°	0.9	63.2	146.5	203.4	222.2
95°	1.3	53.1	134.2	190.2	208.7
97.5°	1.3	44.3	121.6	176.6	196.4
100°	1.3	35.8	109.7	162.8	181.0
102.5°	1.3	28.0	98.4	149.0	166.9
105°	1.3	18.9	87.4	136.7	153.7
107.5°	1.3	9.4	76.7	124.8	141.4
110°	1.3	1.9	66.0	112.5	128.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	1.3	55.6	99.6	116.0
115°	0.9	0.9	44.0	87.1	103.4
117.5°	0.9	0.9	31.4	75.4	90.2
120°	0.9	0.6	18.2	63.2	77.9
122.5°	0.6	0.6	6.0	49.0	65.1
125°	0.6	0.3	0.3	34.9	49.7
127.5°	0.6	0.3	0.0	19.5	33.6
130°	0.6	0.3	0.0	5.7	19.2
132.5°	0.6	0.3	0.0	0.0	4.1
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)