

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: P289919

Luminaire Tested: **4SSRK-LW-30-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289919
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-L950-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2532.2 lumens
Efficiency: N/A
Efficacy: 124.1 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

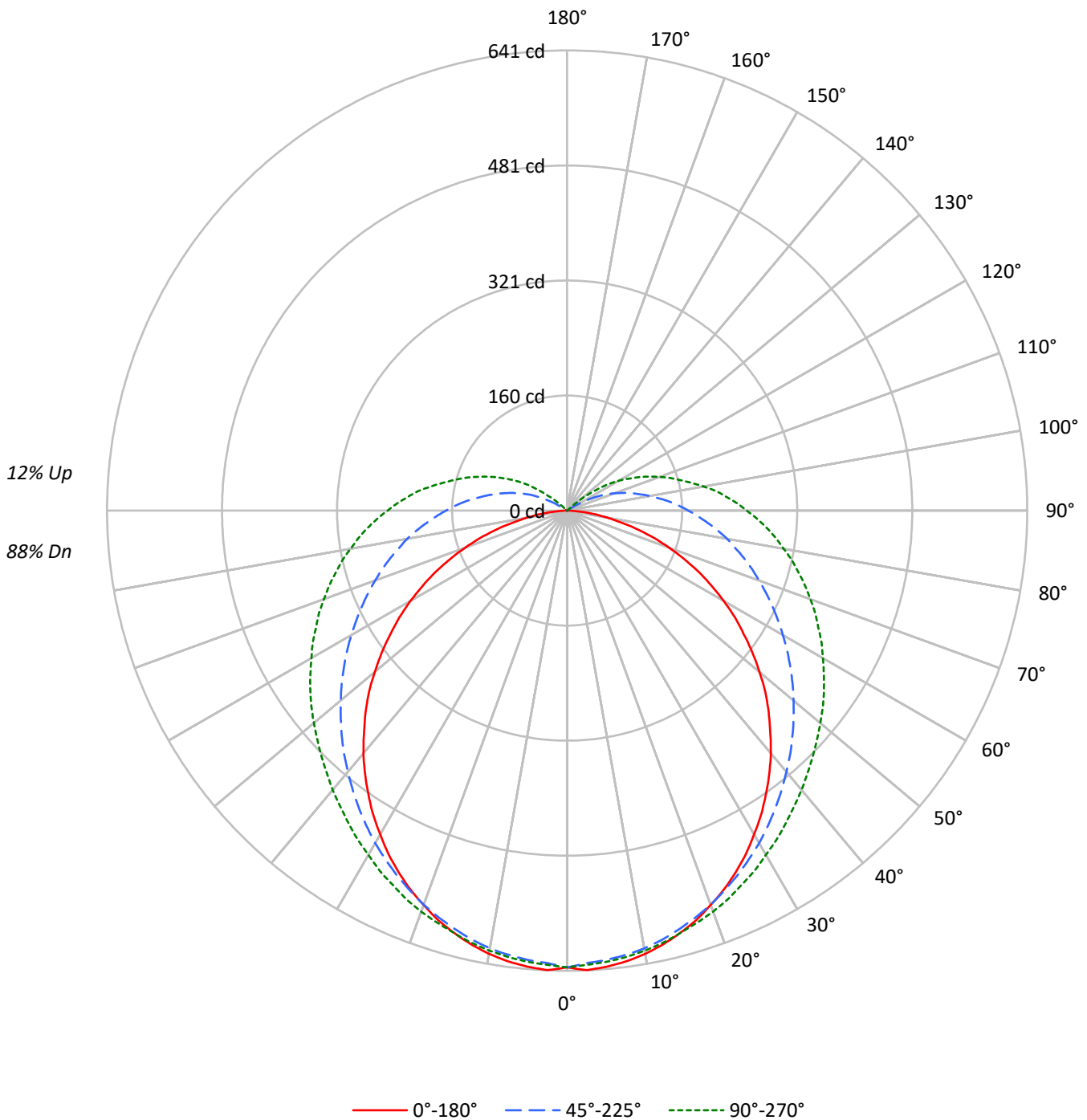
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	41094	41094	41094
5°	41192	32585	30303
10°	40818	27005	23943
15°	40262	22852	19660
20°	39592	19677	16637
25°	38844	17129	14303
30°	37933	15053	12477
35°	36978	13288	11019
40°	35964	11785	9833
45°	34809	10509	8841
50°	33483	9389	8025
55°	31946	8405	7327
60°	30371	7535	6703
65°	28365	6759	6159
70°	25635	6069	5678
75°	22048	5448	5228
80°	17027	4891	4810
85°	10240	4325	4428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	2.4
10°-20°	171.5	6.8
20°-30°	260.1	10.3
30°-40°	317.4	12.5
40°-50°	341.9	13.5
50°-60°	335.8	13.3
60°-70°	303.4	12.0
70°-80°	252.6	10.0
80°-90°	193.7	7.7
90°-100°	140.3	5.5
100°-110°	90.6	3.6
110°-120°	48.8	1.9
120°-130°	15.5	0.6
130°-140°	0.6	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°	491.7	19.4
0°-40°	809.1	32.0
0°-60°	1486.8	58.7
0°-90°	2236.5	88.3
90°-120°	279.7	11.0
90°-150°	295.7	11.7
90°-180°	296.0	11.7
0°-180°	2532.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	636	636	636	636	636	
5°	638	635	628	633	631	61
15°	609	608	604	610	609	172
25°	556	556	561	573	575	256
35°	483	489	506	526	531	302
45°	397	412	444	473	484	306
55°	301	330	379	421	437	269
65°	202	246	315	368	386	200
75°	102	169	255	314	334	108
85°	20	104	196	258	279	25
90°	1	78	169	229	250	1
95°	1	57	143	202	222	1
105°	1	20	93	146	164	1
115°	1	1	47	93	110	1
125°	1	0	0	37	53	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°	636.3	636.3	636.3	636.3	636.3
2.5°	640.7	638.0	631.0	635.3	633.3
5°	637.7	635.3	628.3	633.0	631.0
7.5°	633.3	631.0	624.3	629.0	627.3
10°	627.0	624.6	619.3	623.9	622.6
12.5°	618.9	617.3	612.2	617.9	616.6
15°	608.9	607.5	603.5	610.2	609.2
17.5°	598.2	596.8	594.5	601.5	601.9
20°	584.8	584.5	584.1	593.2	594.5
22.5°	571.1	571.4	572.7	583.8	585.8
25°	555.7	556.3	560.7	572.7	575.1
27.5°	539.3	541.6	548.0	562.0	565.7
30°	520.9	524.9	534.9	549.6	553.7
32.5°	502.8	507.1	520.5	537.9	543.3
35°	482.7	489.1	505.8	525.9	531.2
37.5°	462.6	470.0	490.7	512.5	519.2
40°	441.5	451.2	475.0	499.4	508.1
42.5°	418.8	432.5	459.9	486.0	495.7
45°	397.0	412.1	443.9	473.0	484.0
47.5°	374.6	392.6	427.8	460.3	472.0
50°	349.8	371.6	411.7	447.5	460.6
52.5°	325.7	351.5	395.7	434.5	448.9
55°	300.6	330.4	379.3	421.4	436.8
57.5°	277.2	309.0	363.5	407.7	424.1
60°	252.1	288.2	347.1	395.0	411.4
62.5°	226.6	267.5	331.1	381.3	399.7
65°	202.2	246.0	315.3	368.2	386.0
67.5°	176.1	226.6	299.9	354.2	374.2
70°	151.3	206.5	284.5	340.8	360.5
72.5°	126.5	187.1	269.5	327.4	347.5
75°	102.1	169.4	254.7	313.6	333.7
77.5°	77.7	150.6	239.7	299.9	321.0
80°	56.6	134.2	226.3	285.9	306.3
82.5°	38.5	118.8	211.2	272.5	293.2
85°	20.4	103.8	196.5	257.7	279.2
87.5°	6.0	90.4	182.1	243.4	264.8
90°	0.7	78.0	168.7	229.3	250.0
92.5°	1.0	67.3	156.0	216.6	236.7
95°	1.3	56.6	142.9	202.5	222.3
97.5°	1.3	47.2	129.5	188.1	209.2
100°	1.3	38.2	116.8	173.4	192.8
102.5°	1.3	29.8	104.8	158.7	177.7
105°	1.3	20.1	93.1	145.6	163.7
107.5°	1.3	10.0	81.7	132.9	150.6
110°	1.3	2.0	70.3	119.8	136.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	1.3	59.2	106.1	123.5
115°	1.0	1.0	46.9	92.7	110.1
117.5°	1.0	1.0	33.5	80.3	96.1
120°	1.0	0.7	19.4	67.3	83.0
122.5°	0.7	0.7	6.4	52.2	69.3
125°	0.7	0.3	0.3	37.2	52.9
127.5°	0.7	0.3	0.0	20.8	35.8
130°	0.7	0.3	0.0	6.0	20.4
132.5°	0.7	0.3	0.0	0.0	4.4
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)