

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: CORELITE

Report Number: P253394

Luminaire Tested: **J2-WL-40L93050-1D-UNV-W2A-DLED-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-40L93050-1D-UNV-W2A-DLED-W-4 (4000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3348.2 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

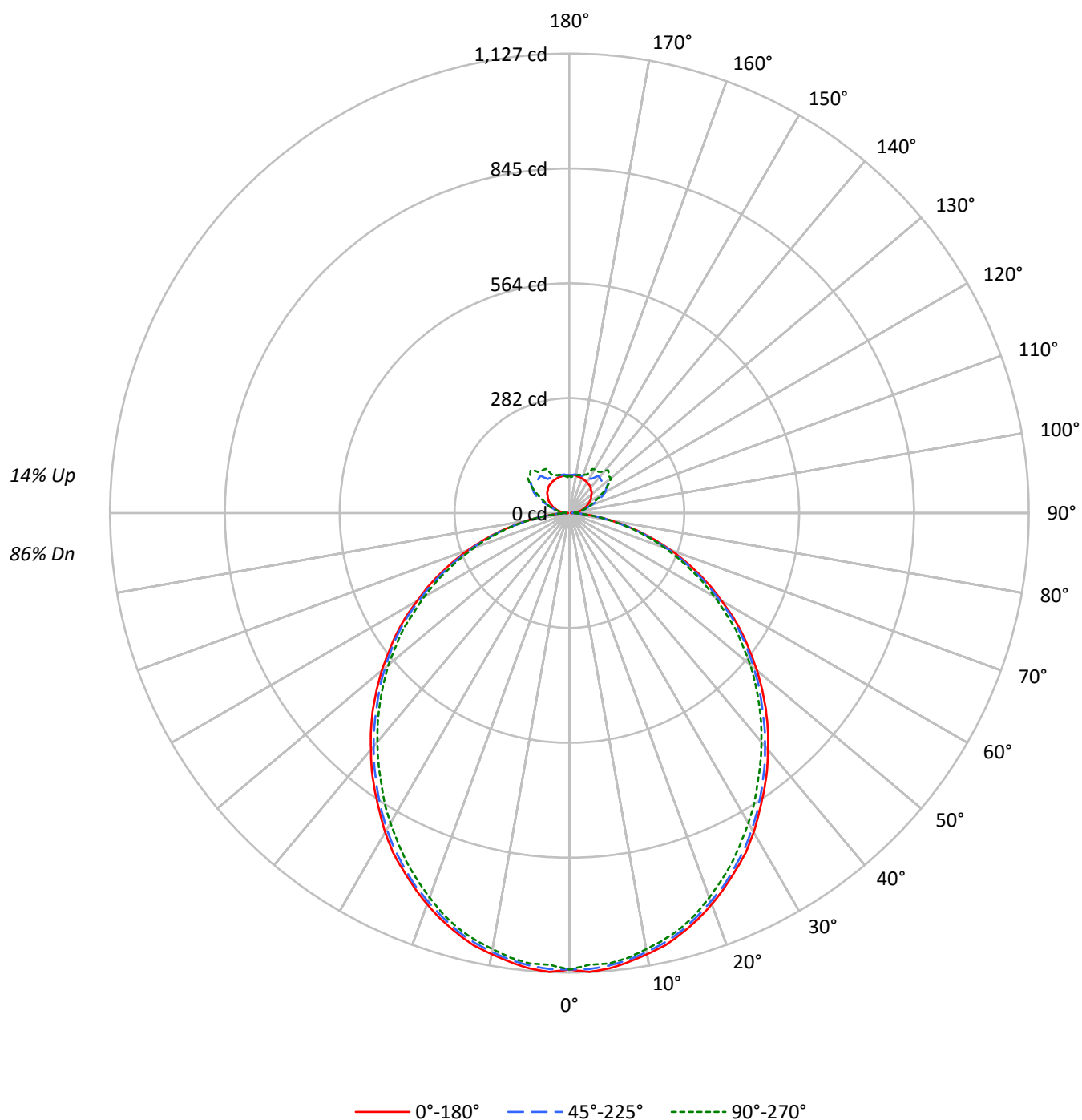
Input Watts (W): 37.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	116	116	116	116	112	112	112	112	104	104	104		96	96	96		90
1	106	101	97	94	102	98	94	91	91	88	85		85	83	80		79
2	97	89	82	77	93	86	80	75	80	75	71		75	71	67		70
3	88	78	70	64	85	75	68	62	71	65	60		66	61	57		62
4	81	69	61	54	77	67	59	53	63	56	51		59	53	49		55
5	74	62	53	47	71	60	52	46	56	49	44		53	47	42		50
6	69	56	47	41	66	54	46	40	51	44	39		48	42	37		45
7	64	51	42	36	61	49	41	36	46	39	34		44	38	33		41
8	59	46	38	32	57	45	37	32	42	36	31		40	34	30		38
9	55	42	34	29	53	41	34	29	39	32	28		37	31	27		35
10	52	39	31	26	50	38	31	26	36	30	25		34	29	24		33

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9039	9039	9039
5°	9088	9031	8988
10°	9005	8961	8903
15°	8915	8871	8812
20°	8770	8709	8618
25°	8605	8542	8416
30°	8429	8347	8182
35°	8198	8111	7936
40°	7984	7872	7724
45°	7783	7622	7501
50°	7542	7409	7276
55°	7308	7209	7009
60°	6957	6844	6644
65°	6646	6478	6275
70°	6210	6045	5835
75°	5618	5508	5343
80°	4761	4682	4598
85°	3603	3761	3603



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	3.2
10°-20°	298.0	8.9
20°-30°	439.5	13.1
30°-40°	512.3	15.3
40°-50°	515.1	15.4
50°-60°	453.6	13.5
60°-70°	334.8	10.0
70°-80°	185.5	5.5
80°-90°	48.3	1.4
90°-100°	17.2	0.5
100°-110°	44.3	1.3
110°-120°	71.9	2.1
120°-130°	89.8	2.7
130°-140°	84.3	2.5
140°-150°	66.5	2.0
150°-160°	45.8	1.4
160°-170°	27.0	0.8
170°-180°	8.9	0.3
0°-30°	843.0	25.2
0°-40°	1355.3	40.5
0°-60°	2323.9	69.4
0°-90°	2892.5	86.4
90°-120°	133.3	4.0
90°-150°	373.9	11.2
90°-180°	456.0	13.6
0°-180°	3348.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1120	1120	1120	1120	1120	
5°	1122	1109	1114	1111	1109	106
15°	1067	1056	1061	1056	1054	301
25°	966	957	959	947	945	445
35°	832	825	823	809	805	521
45°	682	675	668	659	657	525
55°	519	514	512	502	498	463
65°	348	344	339	332	328	344
75°	180	178	177	171	171	191
85°	39	41	41	39	39	45
90°	4	7	7	7	7	4
95°	12	14	16	16	16	13
105°	34	46	41	44	41	35
115°	49	80	81	71	69	50
125°	65	90	111	115	113	58
135°	76	85	111	138	136	59
145°	85	88	106	122	124	53
155°	88	92	97	104	104	41
165°	92	92	97	99	97	26
175°	94	94	94	94	90	9
180°	92	92	92	92	92	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1119.7	1119.7	1119.7	1119.7	1119.7
2.5°	1126.7	1114.4	1119.7	1116.2	1109.1
5°	1121.5	1109.1	1114.4	1110.9	1109.1
7.5°	1110.9	1100.3	1105.6	1102.0	1100.3
10°	1098.5	1087.9	1093.2	1087.9	1086.1
12.5°	1086.1	1073.8	1079.1	1072.0	1072.0
15°	1066.7	1056.1	1061.4	1056.1	1054.3
17.5°	1045.5	1034.9	1038.4	1033.1	1031.4
20°	1020.8	1010.2	1013.7	1006.7	1003.1
22.5°	994.3	985.5	989.0	976.6	974.9
25°	966.0	957.2	959.0	946.6	944.8
27.5°	937.8	925.4	929.0	914.8	911.3
30°	904.2	893.6	895.4	881.3	877.7
32.5°	867.1	860.1	860.1	845.9	844.2
35°	831.8	824.8	823.0	808.9	805.3
37.5°	796.5	787.7	785.9	770.0	770.0
40°	757.6	750.6	747.0	734.7	732.9
42.5°	720.6	711.7	708.2	695.8	695.8
45°	681.7	674.6	667.6	658.7	657.0
47.5°	641.1	634.0	630.5	619.9	618.1
50°	600.5	595.2	589.9	581.0	579.3
52.5°	558.1	554.5	551.0	542.2	536.9
55°	519.2	513.9	512.2	501.6	498.0
57.5°	476.8	471.5	469.8	457.4	452.1
60°	430.9	425.6	423.9	413.3	411.5
62.5°	390.3	385.0	381.5	374.4	370.9
65°	347.9	344.4	339.1	332.0	328.5
67.5°	305.5	302.0	296.7	291.4	287.9
70°	263.1	259.6	256.1	249.0	247.2
72.5°	220.8	217.2	213.7	210.2	210.2
75°	180.1	178.4	176.6	171.3	171.3
77.5°	139.5	137.8	136.0	134.2	134.2
80°	102.4	102.4	100.7	98.9	98.9
82.5°	68.9	68.9	68.9	67.1	67.1
85°	38.9	40.6	40.6	38.9	38.9
87.5°	15.9	15.9	15.9	15.9	15.9
90°	3.5	7.1	7.1	7.1	7.1
92.5°	7.1	8.8	10.6	12.4	10.6
95°	12.4	14.1	15.9	15.9	15.9
97.5°	19.4	21.2	21.2	21.2	21.2
100°	24.7	28.3	26.5	28.3	26.5
102.5°	30.0	37.1	37.1	33.6	33.6
105°	33.6	45.9	40.6	44.2	40.6
107.5°	37.1	56.5	47.7	49.4	51.2
110°	42.4	63.6	58.3	53.0	54.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	45.9	77.7	68.9	61.8	60.0
115°	49.4	79.5	81.2	70.6	68.9
117.5°	54.7	79.5	91.8	83.0	79.5
120°	58.3	84.8	100.7	93.6	90.1
122.5°	61.8	88.3	106.0	106.0	102.4
125°	65.3	90.1	111.3	114.8	113.0
127.5°	67.1	84.8	120.1	125.4	123.6
130°	70.6	81.2	118.3	127.2	132.5
132.5°	74.2	83.0	114.8	128.9	132.5
135°	75.9	84.8	111.3	137.8	136.0
137.5°	77.7	86.5	113.0	132.5	141.3
140°	81.2	86.5	114.8	125.4	136.0
142.5°	83.0	88.3	114.8	120.1	127.2
145°	84.8	88.3	106.0	121.9	123.6
147.5°	84.8	90.1	98.9	123.6	123.6
150°	86.5	90.1	98.9	123.6	123.6
152.5°	88.3	91.8	97.1	107.7	121.9
155°	88.3	91.8	97.1	104.2	104.2
157.5°	90.1	91.8	97.1	102.4	102.4
160°	90.1	91.8	97.1	100.7	98.9
162.5°	91.8	91.8	95.4	98.9	97.1
165°	91.8	91.8	97.1	98.9	97.1
167.5°	91.8	93.6	95.4	97.1	95.4
170°	93.6	93.6	95.4	95.4	93.6
172.5°	93.6	93.6	95.4	93.6	91.8
175°	93.6	93.6	93.6	93.6	90.1
177.5°	93.6	91.8	93.6	91.8	88.3
180°	91.8	91.8	91.8	91.8	91.8

(END OF REPORT)