

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: P253390

Luminaire Tested: **J2-WL-40L93050-1D-UNV-W2A-DLED-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253390
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3097.5 lumens
Efficiency: N/A
Efficacy: 82.8 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

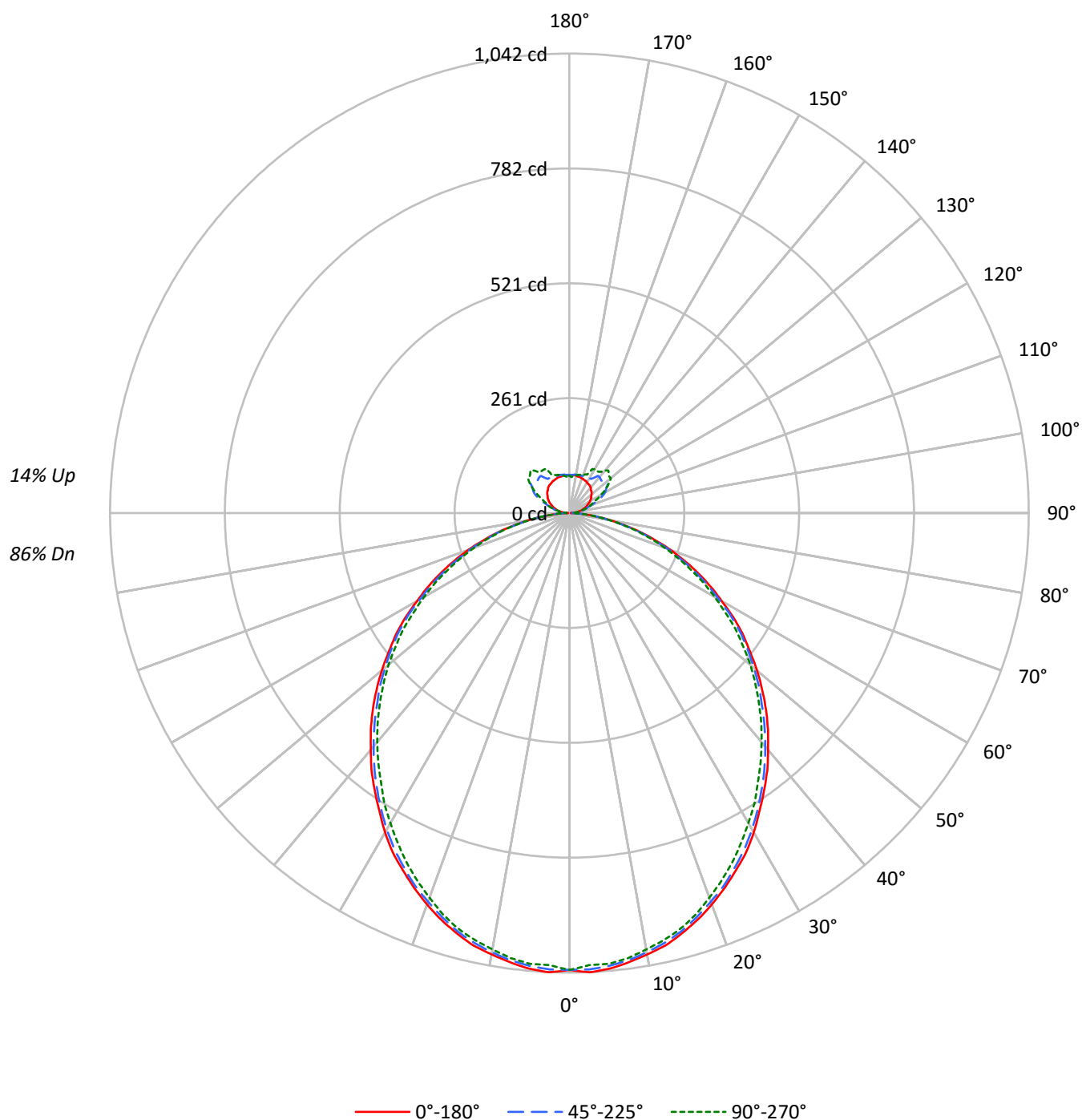
Input Watts (W): 37.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8363	8363	8363
5°	8408	8355	8315
10°	8330	8290	8237
15°	8247	8206	8152
20°	8113	8057	7972
25°	7961	7903	7786
30°	7798	7722	7569
35°	7584	7504	7342
40°	7386	7283	7145
45°	7201	7051	6939
50°	6977	6854	6731
55°	6760	6669	6484
60°	6437	6331	6147
65°	6149	5992	5805
70°	5745	5592	5398
75°	5200	5097	4944
80°	4407	4328	4254
85°	3325	3483	3325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	3.2
10°-20°	275.7	8.9
20°-30°	406.6	13.1
30°-40°	473.9	15.3
40°-50°	476.5	15.4
50°-60°	419.6	13.5
60°-70°	309.8	10.0
70°-80°	171.6	5.5
80°-90°	44.7	1.4
90°-100°	15.9	0.5
100°-110°	40.9	1.3
110°-120°	66.5	2.1
120°-130°	83.0	2.7
130°-140°	78.0	2.5
140°-150°	61.5	2.0
150°-160°	42.4	1.4
160°-170°	25.0	0.8
170°-180°	8.3	0.3
0°-30°	779.9	25.2
0°-40°	1253.8	40.5
0°-60°	2149.9	69.4
0°-90°	2675.9	86.4
90°-120°	123.3	4.0
90°-150°	345.9	11.2
90°-180°	422.0	13.6
0°-180°	3097.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1036	1036	1036	1036	1036	
5°	1038	1026	1031	1028	1026	98
15°	987	977	982	977	975	278
25°	894	886	887	876	874	412
35°	770	763	761	748	745	482
45°	631	624	618	609	608	486
55°	480	475	474	464	461	428
65°	322	319	314	307	304	318
75°	167	165	163	158	158	176
85°	36	38	38	36	36	42
90°	3	6	6	6	6	4
95°	11	13	15	15	15	12
105°	31	42	38	41	38	33
115°	46	74	75	65	64	46
125°	60	83	103	106	105	54
135°	70	78	103	127	126	54
145°	78	82	98	113	114	49
155°	82	85	90	96	96	38
165°	85	85	90	92	90	24
175°	87	87	87	87	83	8
180°	85	85	85	85	85	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1035.9	1035.9	1035.9	1035.9	1035.9
2.5°	1042.4	1031.0	1035.9	1032.6	1026.1
5°	1037.5	1026.1	1031.0	1027.7	1026.1
7.5°	1027.7	1017.9	1022.8	1019.5	1017.9
10°	1016.2	1006.4	1011.3	1006.4	1004.8
12.5°	1004.8	993.4	998.3	991.7	991.7
15°	986.8	977.0	981.9	977.0	975.4
17.5°	967.2	957.4	960.7	955.8	954.2
20°	944.4	934.6	937.8	931.3	928.0
22.5°	919.9	911.7	915.0	903.5	901.9
25°	893.7	885.5	887.2	875.7	874.1
27.5°	867.6	856.1	859.4	846.3	843.1
30°	836.5	826.7	828.4	815.3	812.0
32.5°	802.2	795.7	795.7	782.6	781.0
35°	769.5	763.0	761.4	748.3	745.0
37.5°	736.9	728.7	727.1	712.4	712.4
40°	700.9	694.4	691.1	679.7	678.0
42.5°	666.6	658.4	655.2	643.7	643.7
45°	630.7	624.1	617.6	609.4	607.8
47.5°	593.1	586.5	583.3	573.5	571.8
50°	555.5	550.6	545.7	537.5	535.9
52.5°	516.3	513.0	509.8	501.6	496.7
55°	480.3	475.4	473.8	464.0	460.7
57.5°	441.1	436.2	434.6	423.2	418.3
60°	398.7	393.8	392.1	382.3	380.7
62.5°	361.1	356.2	352.9	346.4	343.1
65°	321.9	318.6	313.7	307.2	303.9
67.5°	282.7	279.4	274.5	269.6	266.3
70°	243.4	240.2	236.9	230.4	228.7
72.5°	204.2	201.0	197.7	194.4	194.4
75°	166.7	165.0	163.4	158.5	158.5
77.5°	129.1	127.4	125.8	124.2	124.2
80°	94.8	94.8	93.1	91.5	91.5
82.5°	63.7	63.7	63.7	62.1	62.1
85°	35.9	37.6	37.6	35.9	35.9
87.5°	14.7	14.7	14.7	14.7	14.7
90°	3.3	6.5	6.5	6.5	6.5
92.5°	6.5	8.2	9.8	11.4	9.8
95°	11.4	13.1	14.7	14.7	14.7
97.5°	18.0	19.6	19.6	19.6	19.6
100°	22.9	26.1	24.5	26.1	24.5
102.5°	27.8	34.3	34.3	31.0	31.0
105°	31.0	42.5	37.6	40.8	37.6
107.5°	34.3	52.3	44.1	45.7	47.4
110°	39.2	58.8	53.9	49.0	50.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	42.5	71.9	63.7	57.2	55.6
115°	45.7	73.5	75.2	65.4	63.7
117.5°	50.6	73.5	85.0	76.8	73.5
120°	53.9	78.4	93.1	86.6	83.3
122.5°	57.2	81.7	98.0	98.0	94.8
125°	60.5	83.3	102.9	106.2	104.6
127.5°	62.1	78.4	111.1	116.0	114.4
130°	65.4	75.2	109.5	117.6	122.5
132.5°	68.6	76.8	106.2	119.3	122.5
135°	70.3	78.4	102.9	127.4	125.8
137.5°	71.9	80.1	104.6	122.5	130.7
140°	75.2	80.1	106.2	116.0	125.8
142.5°	76.8	81.7	106.2	111.1	117.6
145°	78.4	81.7	98.0	112.7	114.4
147.5°	78.4	83.3	91.5	114.4	114.4
150°	80.1	83.3	91.5	114.4	114.4
152.5°	81.7	85.0	89.9	99.7	112.7
155°	81.7	85.0	89.9	96.4	96.4
157.5°	83.3	85.0	89.9	94.8	94.8
160°	83.3	85.0	89.9	93.1	91.5
162.5°	85.0	85.0	88.2	91.5	89.9
165°	85.0	85.0	89.9	91.5	89.9
167.5°	85.0	86.6	88.2	89.9	88.2
170°	86.6	86.6	88.2	88.2	86.6
172.5°	86.6	86.6	88.2	86.6	85.0
175°	86.6	86.6	86.6	86.6	83.3
177.5°	86.6	85.0	86.6	85.0	81.7
180°	85.0	85.0	85.0	85.0	85.0

(END OF REPORT)