

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: P253402

Luminaire Tested: **J2-WL-40L93050-1D-UNV-W2A-DLED-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253402
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3404.0 lumens
Efficiency: N/A
Efficacy: 89.1 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

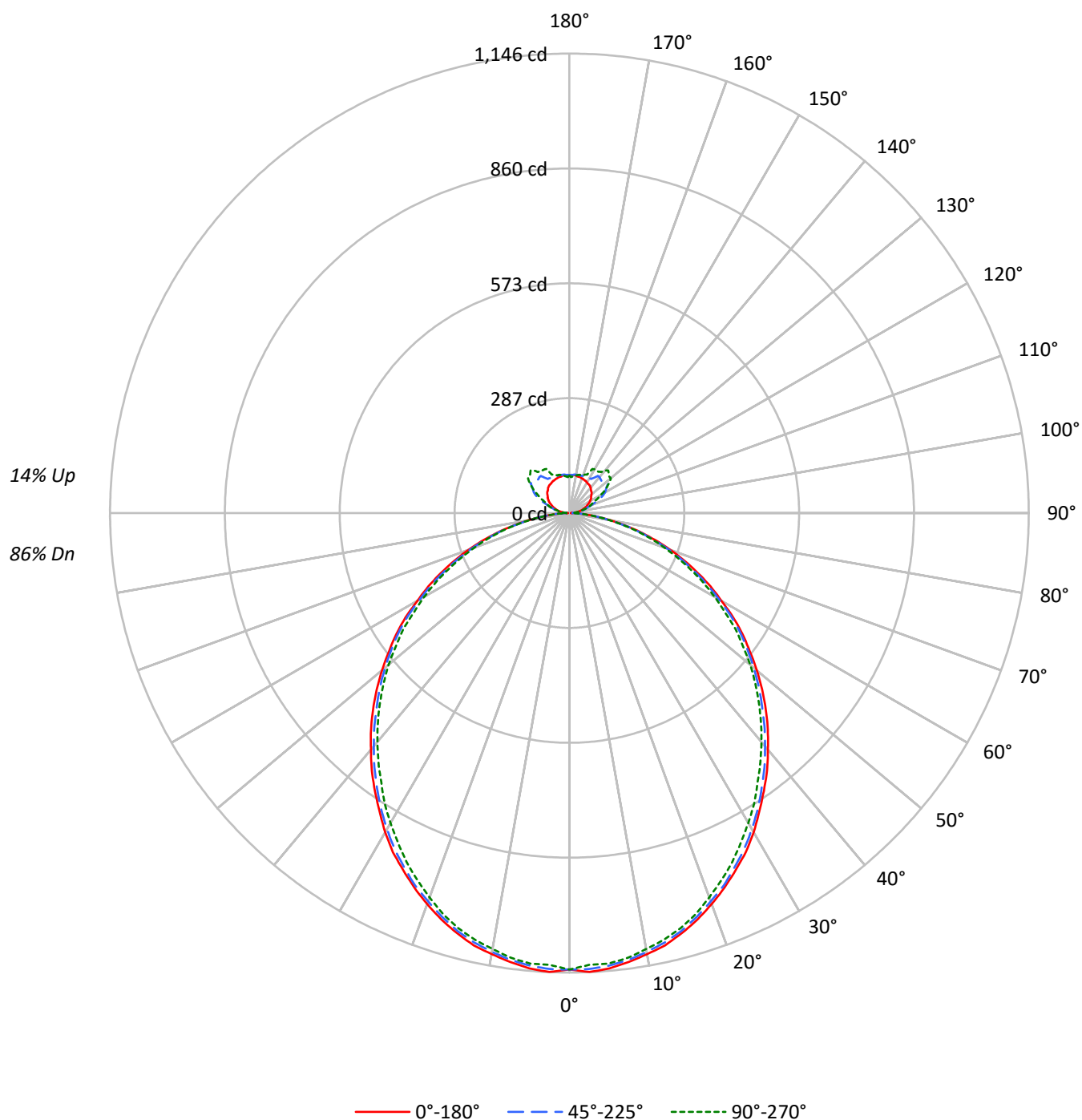
Input Watts (W): 38.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9189	9189	9189
5°	9239	9182	9138
10°	9155	9111	9052
15°	9064	9019	8959
20°	8916	8854	8761
25°	8748	8685	8557
30°	8570	8486	8319
35°	8335	8246	8068
40°	8118	8004	7852
45°	7913	7749	7625
50°	7667	7532	7396
55°	7430	7329	7126
60°	7074	6957	6755
65°	6756	6585	6380
70°	6314	6144	5934
75°	5711	5599	5434
80°	4840	4756	4672
85°	3659	3825	3659



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	3.2
10°-20°	303.0	8.9
20°-30°	446.8	13.1
30°-40°	520.8	15.3
40°-50°	523.6	15.4
50°-60°	461.1	13.5
60°-70°	340.4	10.0
70°-80°	188.6	5.5
80°-90°	49.1	1.4
90°-100°	17.5	0.5
100°-110°	45.0	1.3
110°-120°	73.1	2.1
120°-130°	91.3	2.7
130°-140°	85.7	2.5
140°-150°	67.6	2.0
150°-160°	46.6	1.4
160°-170°	27.5	0.8
170°-180°	9.1	0.3
0°-30°	857.0	25.2
0°-40°	1377.9	40.5
0°-60°	2362.6	69.4
0°-90°	2940.7	86.4
90°-120°	135.5	4.0
90°-150°	380.1	11.2
90°-180°	463.0	13.6
0°-180°	3404.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1138	1138	1138	1138	1138	
5°	1140	1128	1133	1129	1128	108
15°	1084	1074	1079	1074	1072	306
25°	982	973	975	962	961	453
35°	846	838	837	822	819	529
45°	693	686	679	670	668	534
55°	528	522	521	510	506	471
65°	354	350	345	338	334	350
75°	183	181	180	174	174	194
85°	40	41	41	40	40	46
90°	4	7	7	7	7	4
95°	13	14	16	16	16	13
105°	34	47	41	45	41	36
115°	50	81	83	72	70	50
125°	66	92	113	117	115	59
135°	77	86	113	140	138	60
145°	86	90	108	124	126	54
155°	90	93	99	106	106	42
165°	93	93	99	100	99	26
175°	95	95	95	95	92	9
180°	93	93	93	93	93	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1138.3	1138.3	1138.3	1138.3	1138.3
2.5°	1145.5	1133.0	1138.3	1134.8	1127.6
5°	1140.1	1127.6	1133.0	1129.4	1127.6
7.5°	1129.4	1118.6	1124.0	1120.4	1118.6
10°	1116.8	1106.0	1111.4	1106.0	1104.2
12.5°	1104.2	1091.7	1097.0	1089.9	1089.9
15°	1084.5	1073.7	1079.1	1073.7	1071.9
17.5°	1062.9	1052.2	1055.8	1050.4	1048.6
20°	1037.8	1027.0	1030.6	1023.4	1019.8
22.5°	1010.9	1001.9	1005.5	992.9	991.1
25°	982.1	973.2	975.0	962.4	960.6
27.5°	953.4	940.8	944.4	930.1	926.5
30°	919.3	908.5	910.3	896.0	892.4
32.5°	881.6	874.4	874.4	860.0	858.2
35°	845.7	838.5	836.7	822.3	818.7
37.5°	809.8	800.8	799.0	782.8	782.8
40°	770.3	763.1	759.5	746.9	745.1
42.5°	732.6	723.6	720.0	707.4	707.4
45°	693.1	685.9	678.7	669.7	667.9
47.5°	651.8	644.6	641.0	630.2	628.4
50°	610.5	605.1	599.7	590.7	588.9
52.5°	567.4	563.8	560.2	551.2	545.8
55°	527.9	522.5	520.7	509.9	506.3
57.5°	484.8	479.4	477.6	465.0	459.6
60°	438.1	432.7	430.9	420.1	418.4
62.5°	396.8	391.4	387.8	380.6	377.1
65°	353.7	350.1	344.7	337.6	334.0
67.5°	310.6	307.0	301.6	296.3	292.7
70°	267.5	263.9	260.3	253.2	251.4
72.5°	224.4	220.8	217.3	213.7	213.7
75°	183.1	181.3	179.5	174.2	174.2
77.5°	141.8	140.0	138.3	136.5	136.5
80°	104.1	104.1	102.3	100.5	100.5
82.5°	70.0	70.0	70.0	68.2	68.2
85°	39.5	41.3	41.3	39.5	39.5
87.5°	16.2	16.2	16.2	16.2	16.2
90°	3.6	7.2	7.2	7.2	7.2
92.5°	7.2	9.0	10.8	12.6	10.8
95°	12.6	14.4	16.2	16.2	16.2
97.5°	19.8	21.5	21.5	21.5	21.5
100°	25.1	28.7	26.9	28.7	26.9
102.5°	30.5	37.7	37.7	34.1	34.1
105°	34.1	46.7	41.3	44.9	41.3
107.5°	37.7	57.5	48.5	50.3	52.1
110°	43.1	64.6	59.3	53.9	55.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	46.7	79.0	70.0	62.8	61.0
115°	50.3	80.8	82.6	71.8	70.0
117.5°	55.7	80.8	93.4	84.4	80.8
120°	59.3	86.2	102.3	95.2	91.6
122.5°	62.8	89.8	107.7	107.7	104.1
125°	66.4	91.6	113.1	116.7	114.9
127.5°	68.2	86.2	122.1	127.5	125.7
130°	71.8	82.6	120.3	129.3	134.7
132.5°	75.4	84.4	116.7	131.1	134.7
135°	77.2	86.2	113.1	140.0	138.3
137.5°	79.0	88.0	114.9	134.7	143.6
140°	82.6	88.0	116.7	127.5	138.3
142.5°	84.4	89.8	116.7	122.1	129.3
145°	86.2	89.8	107.7	123.9	125.7
147.5°	86.2	91.6	100.5	125.7	125.7
150°	88.0	91.6	100.5	125.7	125.7
152.5°	89.8	93.4	98.8	109.5	123.9
155°	89.8	93.4	98.8	105.9	105.9
157.5°	91.6	93.4	98.8	104.1	104.1
160°	91.6	93.4	98.8	102.3	100.5
162.5°	93.4	93.4	97.0	100.5	98.8
165°	93.4	93.4	98.8	100.5	98.8
167.5°	93.4	95.2	97.0	98.8	97.0
170°	95.2	95.2	97.0	97.0	95.2
172.5°	95.2	95.2	97.0	95.2	93.4
175°	95.2	95.2	95.2	95.2	91.6
177.5°	95.2	93.4	95.2	93.4	89.8
180°	93.4	93.4	93.4	93.4	93.4

(END OF REPORT)