

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: P253386

Luminaire Tested: **J2-WL-40L93050-1D-UNV-W2A-DLED-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253386
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2837.1 lumens
Efficiency: N/A
Efficacy: 75.5 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

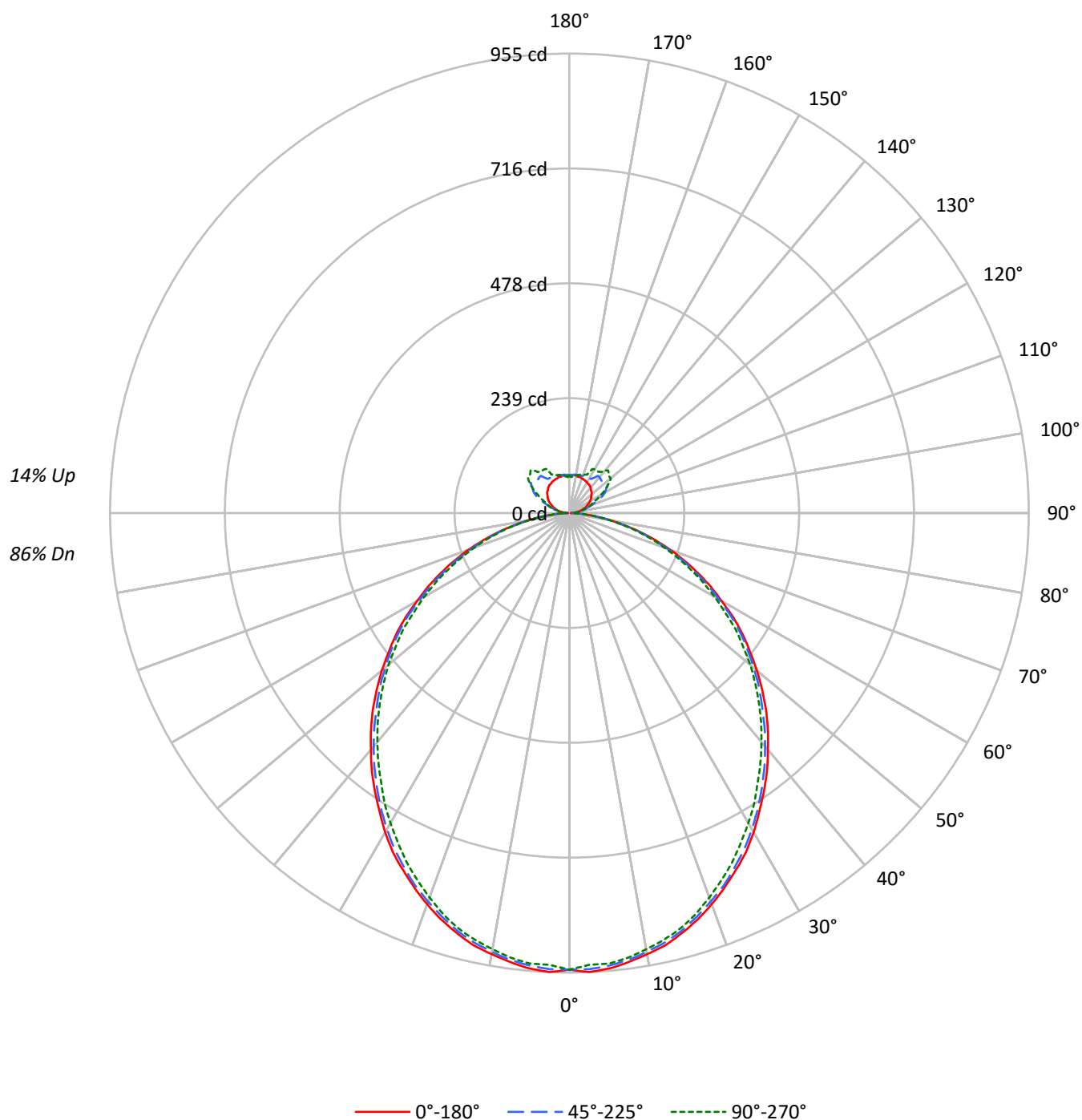
Input Watts (W): 37.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7660	7660	7660
5°	7701	7652	7616
10°	7630	7593	7545
15°	7555	7517	7467
20°	7431	7380	7302
25°	7292	7238	7131
30°	7142	7072	6934
35°	6947	6873	6725
40°	6766	6671	6545
45°	6596	6459	6356
50°	6390	6277	6165
55°	6193	6108	5940
60°	5895	5800	5630
65°	5631	5488	5318
70°	5264	5122	4945
75°	4760	4669	4529
80°	4035	3966	3896
85°	3047	3186	3047



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	3.2
10°-20°	252.5	8.9
20°-30°	372.4	13.1
30°-40°	434.1	15.3
40°-50°	436.4	15.4
50°-60°	384.4	13.5
60°-70°	283.7	10.0
70°-80°	157.2	5.5
80°-90°	40.9	1.4
90°-100°	14.6	0.5
100°-110°	37.5	1.3
110°-120°	60.9	2.1
120°-130°	76.1	2.7
130°-140°	71.5	2.5
140°-150°	56.3	2.0
150°-160°	38.8	1.4
160°-170°	22.9	0.8
170°-180°	7.6	0.3
0°-30°	714.3	25.2
0°-40°	1148.4	40.5
0°-60°	1969.2	69.4
0°-90°	2451.0	86.4
90°-120°	112.9	4.0
90°-150°	316.8	11.2
90°-180°	386.0	13.6
0°-180°	2837.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	949	949	949	949	949	
5°	950	940	944	941	940	90
15°	904	895	899	895	893	255
25°	819	811	813	802	801	377
35°	705	699	697	685	682	441
45°	578	572	566	558	557	445
55°	440	436	434	425	422	392
65°	295	292	287	281	278	292
75°	153	151	150	145	145	162
85°	33	34	34	33	33	38
90°	3	6	6	6	6	3
95°	10	12	14	14	14	11
105°	28	39	34	37	34	30
115°	42	67	69	60	58	42
125°	55	76	94	97	96	49
135°	64	72	94	117	115	50
145°	72	75	90	103	105	45
155°	75	78	82	88	88	35
165°	78	78	82	84	82	22
175°	79	79	79	79	76	8
180°	78	78	78	78	78	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	948.8	948.8	948.8	948.8	948.8
2.5°	954.8	944.3	948.8	945.8	939.8
5°	950.3	939.8	944.3	941.3	939.8
7.5°	941.3	932.3	936.8	933.8	932.3
10°	930.8	921.9	926.3	921.9	920.4
12.5°	920.4	909.9	914.4	908.4	908.4
15°	903.9	894.9	899.4	894.9	893.4
17.5°	885.9	877.0	879.9	875.5	874.0
20°	865.0	856.0	859.0	853.0	850.0
22.5°	842.5	835.1	838.0	827.6	826.1
25°	818.6	811.1	812.6	802.1	800.6
27.5°	794.6	784.2	787.2	775.2	772.2
30°	766.2	757.2	758.7	746.8	743.8
32.5°	734.8	728.8	728.8	716.8	715.3
35°	704.9	698.9	697.4	685.4	682.4
37.5°	674.9	667.4	665.9	652.5	652.5
40°	642.0	636.0	633.0	622.5	621.1
42.5°	610.6	603.1	600.1	589.6	589.6
45°	577.7	571.7	565.7	558.2	556.7
47.5°	543.2	537.2	534.3	525.3	523.8
50°	508.8	504.3	499.8	492.4	490.9
52.5°	472.9	469.9	466.9	459.4	454.9
55°	440.0	435.5	434.0	425.0	422.0
57.5°	404.1	399.6	398.1	387.6	383.1
60°	365.1	360.7	359.2	350.2	348.7
62.5°	330.7	326.2	323.2	317.3	314.3
65°	294.8	291.8	287.3	281.3	278.4
67.5°	258.9	255.9	251.4	246.9	243.9
70°	223.0	220.0	217.0	211.0	209.5
72.5°	187.1	184.1	181.1	178.1	178.1
75°	152.6	151.1	149.7	145.2	145.2
77.5°	118.2	116.7	115.2	113.7	113.7
80°	86.8	86.8	85.3	83.8	83.8
82.5°	58.4	58.4	58.4	56.9	56.9
85°	32.9	34.4	34.4	32.9	32.9
87.5°	13.5	13.5	13.5	13.5	13.5
90°	3.0	6.0	6.0	6.0	6.0
92.5°	6.0	7.5	9.0	10.5	9.0
95°	10.5	12.0	13.5	13.5	13.5
97.5°	16.5	18.0	18.0	18.0	18.0
100°	21.0	23.9	22.4	23.9	22.4
102.5°	25.4	31.4	31.4	28.4	28.4
105°	28.4	38.9	34.4	37.4	34.4
107.5°	31.4	47.9	40.4	41.9	43.4
110°	35.9	53.9	49.4	44.9	46.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	38.9	65.8	58.4	52.4	50.9
115°	41.9	67.3	68.8	59.9	58.4
117.5°	46.4	67.3	77.8	70.3	67.3
120°	49.4	71.8	85.3	79.3	76.3
122.5°	52.4	74.8	89.8	89.8	86.8
125°	55.4	76.3	94.3	97.3	95.8
127.5°	56.9	71.8	101.8	106.3	104.8
130°	59.9	68.8	100.3	107.7	112.2
132.5°	62.9	70.3	97.3	109.2	112.2
135°	64.4	71.8	94.3	116.7	115.2
137.5°	65.8	73.3	95.8	112.2	119.7
140°	68.8	73.3	97.3	106.3	115.2
142.5°	70.3	74.8	97.3	101.8	107.7
145°	71.8	74.8	89.8	103.3	104.8
147.5°	71.8	76.3	83.8	104.8	104.8
150°	73.3	76.3	83.8	104.8	104.8
152.5°	74.8	77.8	82.3	91.3	103.3
155°	74.8	77.8	82.3	88.3	88.3
157.5°	76.3	77.8	82.3	86.8	86.8
160°	76.3	77.8	82.3	85.3	83.8
162.5°	77.8	77.8	80.8	83.8	82.3
165°	77.8	77.8	82.3	83.8	82.3
167.5°	77.8	79.3	80.8	82.3	80.8
170°	79.3	79.3	80.8	80.8	79.3
172.5°	79.3	79.3	80.8	79.3	77.8
175°	79.3	79.3	79.3	79.3	76.3
177.5°	79.3	77.8	79.3	77.8	74.8
180°	77.8	77.8	77.8	77.8	77.8

(END OF REPORT)