

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: P274902

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274902
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-30L92765-1D-UNV-W2A-DLED-W-4 (6500K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2598.9 lumens
Efficiency: N/A
Efficacy: 96.3 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

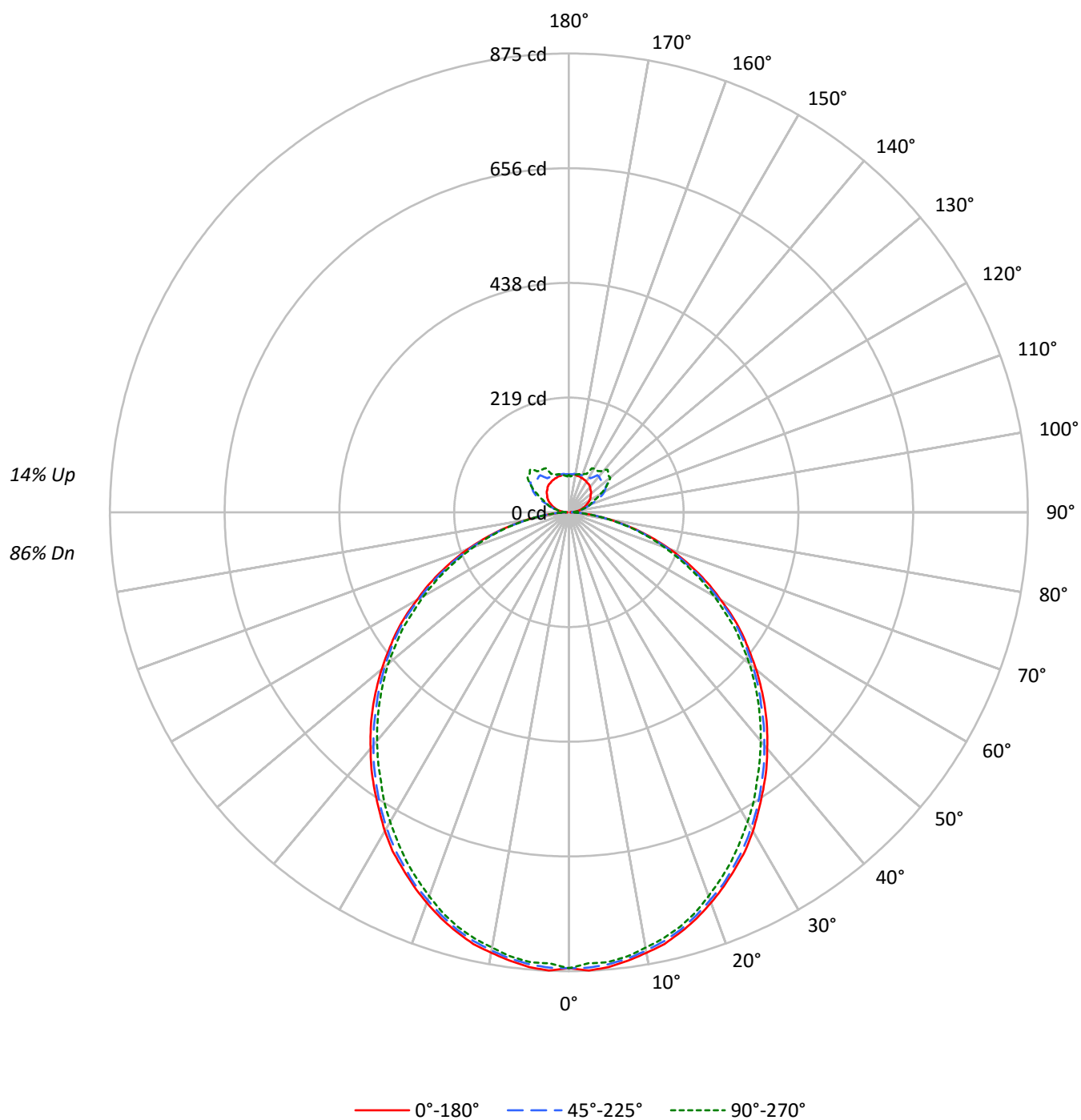
Input Watts (W): 27
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7016	7016	7016
5°	7054	7010	6977
10°	6990	6956	6911
15°	6920	6886	6840
20°	6808	6760	6689
25°	6680	6631	6533
30°	6543	6479	6351
35°	6364	6296	6161
40°	6198	6111	5995
45°	6042	5916	5823
50°	5854	5751	5647
55°	5672	5595	5441
60°	5401	5312	5157
65°	5160	5028	4871
70°	4822	4692	4530
75°	4361	4276	4148
80°	3696	3631	3570
85°	2797	2918	2797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	3.2
10°-20°	231.3	8.9
20°-30°	341.2	13.1
30°-40°	397.6	15.3
40°-50°	399.8	15.4
50°-60°	352.1	13.5
60°-70°	259.9	10.0
70°-80°	144.0	5.5
80°-90°	37.5	1.4
90°-100°	13.3	0.5
100°-110°	34.4	1.3
110°-120°	55.8	2.1
120°-130°	69.7	2.7
130°-140°	65.5	2.5
140°-150°	51.6	2.0
150°-160°	35.6	1.4
160°-170°	21.0	0.8
170°-180°	6.9	0.3
0°-30°	654.4	25.2
0°-40°	1052.0	40.5
0°-60°	1803.9	69.4
0°-90°	2245.2	86.4
90°-120°	103.5	4.0
90°-150°	290.2	11.2
90°-180°	354.0	13.6
0°-180°	2598.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	869	869	869	869	869	
5°	870	861	865	862	861	82
15°	828	820	824	820	818	233
25°	750	743	744	735	733	346
35°	646	640	639	628	625	404
45°	529	524	518	511	510	408
55°	403	399	398	389	387	359
65°	270	267	263	258	255	267
75°	140	138	137	133	133	148
85°	30	32	32	30	30	35
90°	3	6	6	6	6	3
95°	10	11	12	12	12	10
105°	26	36	32	34	32	27
115°	38	62	63	55	54	39
125°	51	70	86	89	88	45
135°	59	66	86	107	106	46
145°	66	68	82	95	96	41
155°	68	71	75	81	81	32
165°	71	71	75	77	75	20
175°	73	73	73	73	70	7
180°	71	71	71	71	71	



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CATALOG NUMBER: J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	869.1	869.1	869.1	869.1	869.1
2.5°	874.6	865.0	869.1	866.4	860.9
5°	870.5	860.9	865.0	862.3	860.9
7.5°	862.3	854.0	858.2	855.4	854.0
10°	852.7	844.4	848.6	844.4	843.1
12.5°	843.1	833.5	837.6	832.1	832.1
15°	828.0	819.8	823.9	819.8	818.4
17.5°	811.5	803.3	806.1	802.0	800.6
20°	792.4	784.1	786.9	781.4	778.6
22.5°	771.8	764.9	767.7	758.1	756.7
25°	749.9	743.0	744.4	734.8	733.4
27.5°	727.9	718.3	721.1	710.1	707.4
30°	701.9	693.7	695.0	684.1	681.3
32.5°	673.1	667.6	667.6	656.6	655.3
35°	645.7	640.2	638.8	627.9	625.1
37.5°	618.3	611.4	610.0	597.7	597.7
40°	588.1	582.6	579.9	570.3	568.9
42.5°	559.3	552.5	549.7	540.1	540.1
45°	529.2	523.7	518.2	511.3	510.0
47.5°	497.6	492.1	489.4	481.2	479.8
50°	466.1	462.0	457.9	451.0	449.6
52.5°	433.2	430.4	427.7	420.9	416.7
55°	403.0	398.9	397.5	389.3	386.6
57.5°	370.1	366.0	364.6	355.1	350.9
60°	334.5	330.4	329.0	320.8	319.4
62.5°	303.0	298.8	296.1	290.6	287.9
65°	270.1	267.3	263.2	257.7	255.0
67.5°	237.2	234.4	230.3	226.2	223.4
70°	204.3	201.5	198.8	193.3	191.9
72.5°	171.4	168.6	165.9	163.1	163.1
75°	139.8	138.5	137.1	133.0	133.0
77.5°	108.3	106.9	105.6	104.2	104.2
80°	79.5	79.5	78.1	76.8	76.8
82.5°	53.5	53.5	53.5	52.1	52.1
85°	30.2	31.5	31.5	30.2	30.2
87.5°	12.3	12.3	12.3	12.3	12.3
90°	2.7	5.5	5.5	5.5	5.5
92.5°	5.5	6.9	8.2	9.6	8.2
95°	9.6	11.0	12.3	12.3	12.3
97.5°	15.1	16.5	16.5	16.5	16.5
100°	19.2	21.9	20.6	21.9	20.6
102.5°	23.3	28.8	28.8	26.0	26.0
105°	26.0	35.6	31.5	34.3	31.5
107.5°	28.8	43.9	37.0	38.4	39.8
110°	32.9	49.4	45.2	41.1	42.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	35.6	60.3	53.5	48.0	46.6
115°	38.4	61.7	63.1	54.8	53.5
117.5°	42.5	61.7	71.3	64.4	61.7
120°	45.2	65.8	78.1	72.7	69.9
122.5°	48.0	68.5	82.3	82.3	79.5
125°	50.7	69.9	86.4	89.1	87.7
127.5°	52.1	65.8	93.2	97.3	96.0
130°	54.8	63.1	91.8	98.7	102.8
132.5°	57.6	64.4	89.1	100.1	102.8
135°	58.9	65.8	86.4	106.9	105.6
137.5°	60.3	67.2	87.7	102.8	109.7
140°	63.1	67.2	89.1	97.3	105.6
142.5°	64.4	68.5	89.1	93.2	98.7
145°	65.8	68.5	82.3	94.6	96.0
147.5°	65.8	69.9	76.8	96.0	96.0
150°	67.2	69.9	76.8	96.0	96.0
152.5°	68.5	71.3	75.4	83.6	94.6
155°	68.5	71.3	75.4	80.9	80.9
157.5°	69.9	71.3	75.4	79.5	79.5
160°	69.9	71.3	75.4	78.1	76.8
162.5°	71.3	71.3	74.0	76.8	75.4
165°	71.3	71.3	75.4	76.8	75.4
167.5°	71.3	72.7	74.0	75.4	74.0
170°	72.7	72.7	74.0	74.0	72.7
172.5°	72.7	72.7	74.0	72.7	71.3
175°	72.7	72.7	72.7	72.7	69.9
177.5°	72.7	71.3	72.7	71.3	68.5
180°	71.3	71.3	71.3	71.3	71.3

(END OF REPORT)