

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: P274885

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-DLED-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-30L82765-1D-UNV-W2A-DLED-W-4 (5700K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2856.3 lumens
Efficiency: N/A
Efficacy: 107.8 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

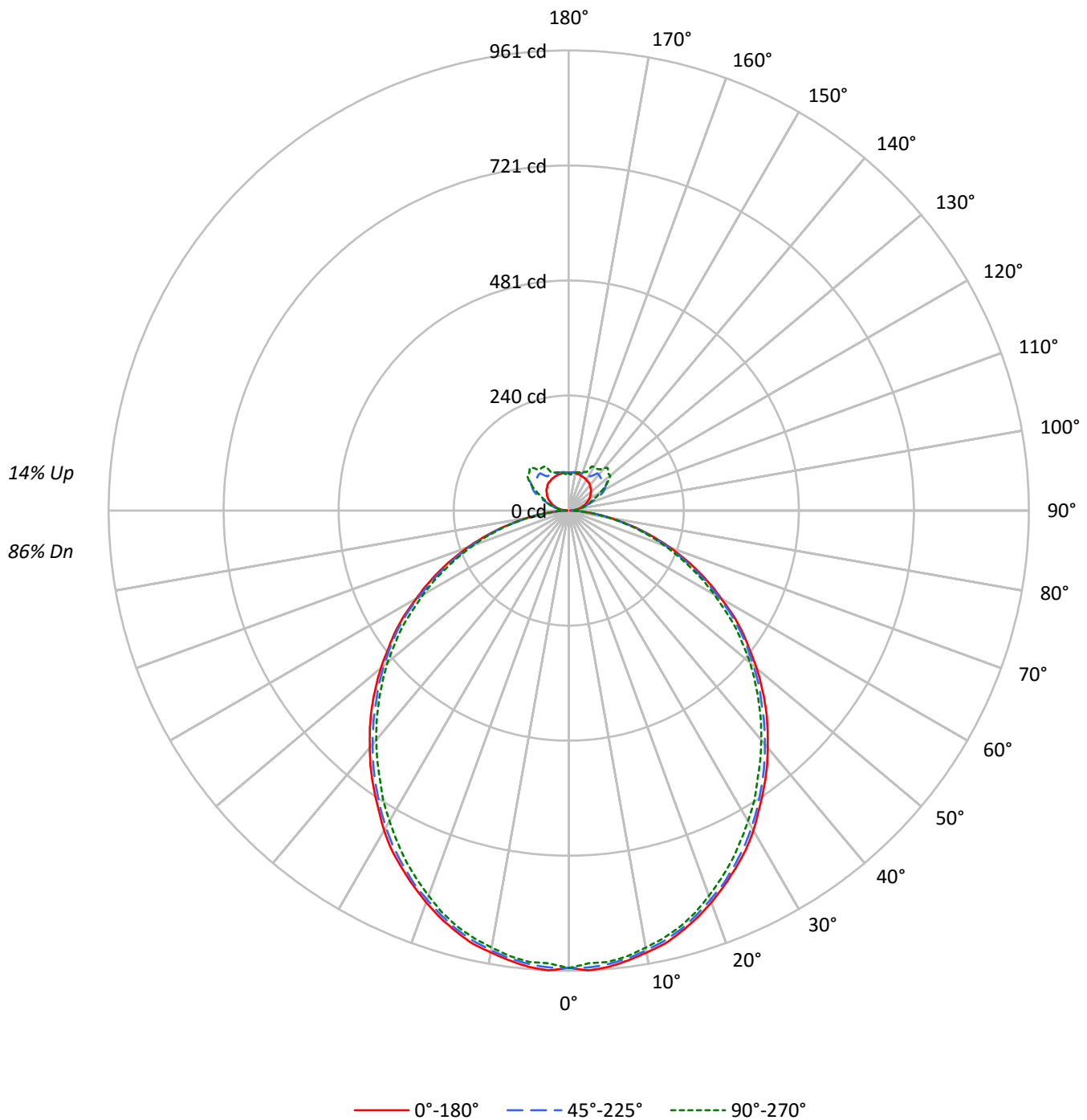
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7711	7711	7711
5°	7753	7704	7668
10°	7682	7645	7596
15°	7606	7568	7518
20°	7481	7430	7352
25°	7341	7287	7180
30°	7191	7121	6980
35°	6993	6919	6771
40°	6811	6716	6590
45°	6640	6502	6399
50°	6434	6320	6207
55°	6235	6149	5980
60°	5935	5838	5667
65°	5670	5526	5352
70°	5299	5157	4978
75°	4794	4701	4557
80°	4063	3994	3924
85°	3066	3214	3066



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	3.2
10°-20°	254.2	8.9
20°-30°	375.0	13.1
30°-40°	437.0	15.3
40°-50°	439.4	15.4
50°-60°	387.0	13.5
60°-70°	285.6	10.0
70°-80°	158.3	5.5
80°-90°	41.2	1.4
90°-100°	14.6	0.5
100°-110°	37.8	1.3
110°-120°	61.3	2.1
120°-130°	76.6	2.7
130°-140°	71.9	2.5
140°-150°	56.7	2.0
150°-160°	39.1	1.4
160°-170°	23.0	0.8
170°-180°	7.6	0.3
0°-30°	719.2	25.2
0°-40°	1156.2	40.5
0°-60°	1982.5	69.4
0°-90°	2467.6	86.4
90°-120°	113.7	4.0
90°-150°	319.0	11.2
90°-180°	389.0	13.6
0°-180°	2856.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	955	955	955	955	955	
5°	957	946	951	948	946	91
15°	910	901	906	901	900	256
25°	824	817	818	808	806	380
35°	710	704	702	690	687	444
45°	582	576	570	562	560	448
55°	443	438	437	428	425	395
65°	297	294	289	283	280	294
75°	154	152	151	146	146	163
85°	33	35	35	33	33	39
90°	3	6	6	6	6	4
95°	10	12	14	14	14	11
105°	29	39	35	38	35	30
115°	42	68	69	60	59	42
125°	56	77	95	98	96	49
135°	65	72	95	118	116	50
145°	72	75	90	104	106	45
155°	75	78	83	89	89	35
165°	78	78	83	84	83	22
175°	80	80	80	80	77	8
180°	78	78	78	78	78	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	955.2	955.2	955.2	955.2	955.2
2.5°	961.2	950.7	955.2	952.2	946.2
5°	956.7	946.2	950.7	947.7	946.2
7.5°	947.7	938.6	943.2	940.1	938.6
10°	937.1	928.1	932.6	928.1	926.6
12.5°	926.6	916.0	920.6	914.5	914.5
15°	910.0	901.0	905.5	901.0	899.5
17.5°	891.9	882.9	885.9	881.4	879.9
20°	870.8	861.8	864.8	858.8	855.8
22.5°	848.2	840.7	843.7	833.2	831.7
25°	824.1	816.6	818.1	807.6	806.1
27.5°	800.0	789.5	792.5	780.4	777.4
30°	771.4	762.4	763.9	751.8	748.8
32.5°	739.8	733.7	733.7	721.7	720.2
35°	709.6	703.6	702.1	690.0	687.0
37.5°	679.5	672.0	670.5	656.9	656.9
40°	646.3	640.3	637.3	626.8	625.3
42.5°	614.7	607.2	604.2	593.6	593.6
45°	581.6	575.5	569.5	562.0	560.5
47.5°	546.9	540.9	537.9	528.8	527.3
50°	512.3	507.7	503.2	495.7	494.2
52.5°	476.1	473.1	470.1	462.5	458.0
55°	443.0	438.4	436.9	427.9	424.9
57.5°	406.8	402.3	400.8	390.2	385.7
60°	367.6	363.1	361.6	352.6	351.0
62.5°	333.0	328.4	325.4	319.4	316.4
65°	296.8	293.8	289.3	283.2	280.2
67.5°	260.6	257.6	253.1	248.6	245.6
70°	224.5	221.5	218.5	212.4	210.9
72.5°	188.3	185.3	182.3	179.3	179.3
75°	153.7	152.2	150.7	146.1	146.1
77.5°	119.0	117.5	116.0	114.5	114.5
80°	87.4	87.4	85.9	84.4	84.4
82.5°	58.8	58.8	58.8	57.3	57.3
85°	33.1	34.7	34.7	33.1	33.1
87.5°	13.6	13.6	13.6	13.6	13.6
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	12.1	13.6	13.6	13.6
97.5°	16.6	18.1	18.1	18.1	18.1
100°	21.1	24.1	22.6	24.1	22.6
102.5°	25.6	31.6	31.6	28.6	28.6
105°	28.6	39.2	34.7	37.7	34.7
107.5°	31.6	48.2	40.7	42.2	43.7
110°	36.2	54.2	49.7	45.2	46.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	39.2	66.3	58.8	52.7	51.2
115°	42.2	67.8	69.3	60.3	58.8
117.5°	46.7	67.8	78.3	70.8	67.8
120°	49.7	72.3	85.9	79.9	76.8
122.5°	52.7	75.3	90.4	90.4	87.4
125°	55.7	76.8	94.9	97.9	96.4
127.5°	57.3	72.3	102.5	107.0	105.5
130°	60.3	69.3	100.9	108.5	113.0
132.5°	63.3	70.8	97.9	110.0	113.0
135°	64.8	72.3	94.9	117.5	116.0
137.5°	66.3	73.8	96.4	113.0	120.5
140°	69.3	73.8	97.9	107.0	116.0
142.5°	70.8	75.3	97.9	102.5	108.5
145°	72.3	75.3	90.4	104.0	105.5
147.5°	72.3	76.8	84.4	105.5	105.5
150°	73.8	76.8	84.4	105.5	105.5
152.5°	75.3	78.3	82.9	91.9	104.0
155°	75.3	78.3	82.9	88.9	88.9
157.5°	76.8	78.3	82.9	87.4	87.4
160°	76.8	78.3	82.9	85.9	84.4
162.5°	78.3	78.3	81.4	84.4	82.9
165°	78.3	78.3	82.9	84.4	82.9
167.5°	78.3	79.9	81.4	82.9	81.4
170°	79.9	79.9	81.4	81.4	79.9
172.5°	79.9	79.9	81.4	79.9	78.3
175°	79.9	79.9	79.9	79.9	76.8
177.5°	79.9	78.3	79.9	78.3	75.3
180°	78.3	78.3	78.3	78.3	78.3

(END OF REPORT)