

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: P274883

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-DLED-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274883
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-30L82765-1D-UNV-W2A-DLED-W-4 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2782.4 lumens
Efficiency: N/A
Efficacy: 105.8 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

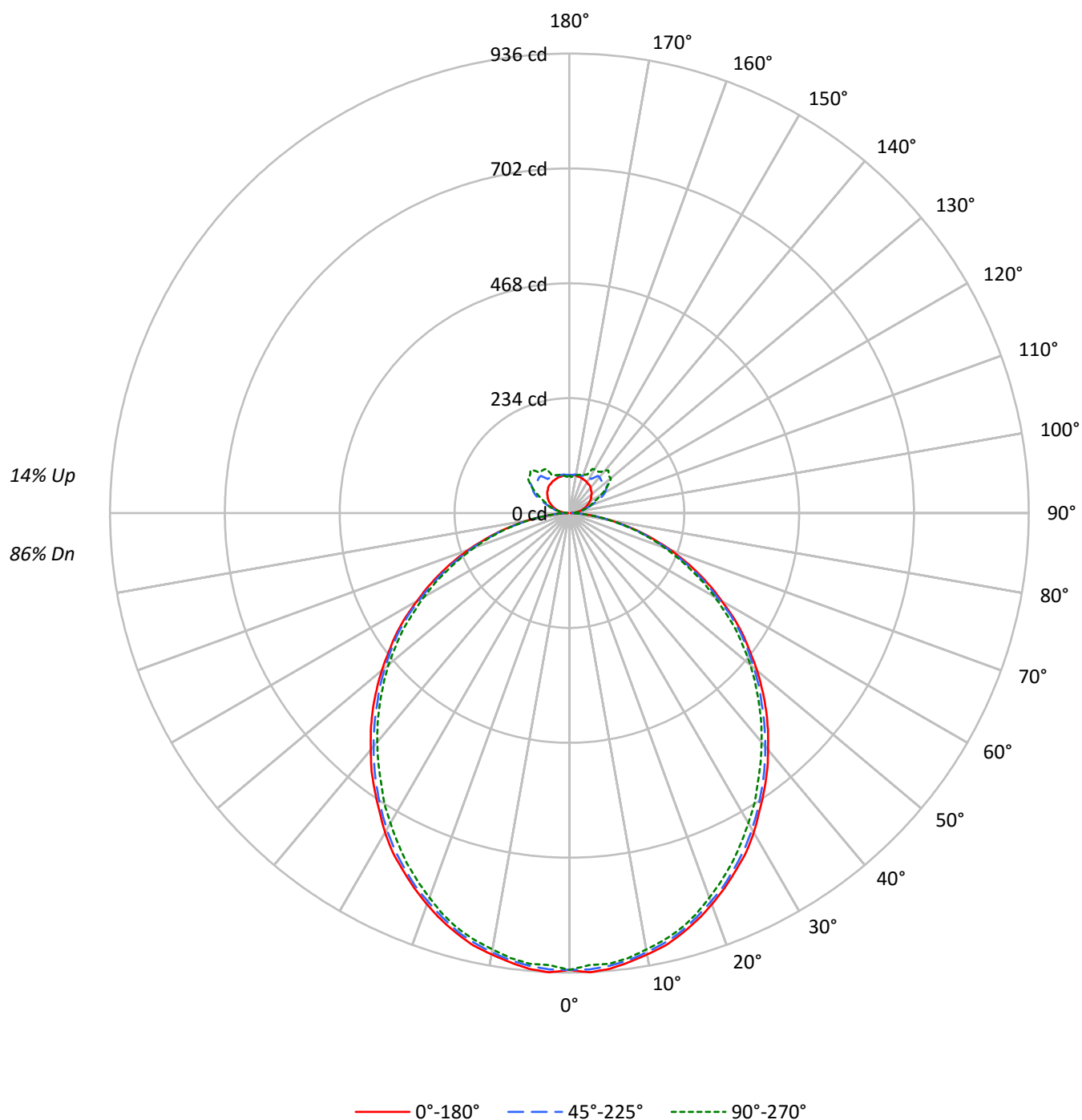
Input Watts (W): 26.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	86			
1	106	101	97	94	102	98	94	91	91	88	85	85	83	80	79	77	76	73			
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64	61			
3	88	78	70	64	85	75	68	62	71	65	60	66	61	57	62	58	54	52			
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47	44			
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	50	45	41	38			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	34			
7	64	51	42	36	61	49	41	36	46	39	34	44	38	33	41	36	32	30			
8	59	46	38	32	57	45	37	32	42	36	31	40	34	30	38	33	29	27			
9	55	42	34	29	53	41	34	29	39	32	28	37	31	27	35	30	26	24			
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	27	24	22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7512	7512	7512
5°	7553	7505	7469
10°	7483	7447	7399
15°	7409	7372	7323
20°	7288	7237	7161
25°	7151	7098	6994
30°	7004	6936	6799
35°	6813	6740	6595
40°	6635	6542	6419
45°	6468	6334	6234
50°	6267	6157	6046
55°	6073	5990	5826
60°	5782	5687	5522
65°	5522	5383	5215
70°	5162	5023	4851
75°	4669	4579	4442
80°	3956	3891	3821
85°	2992	3131	2992



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	3.2
10°-20°	247.6	8.9
20°-30°	365.3	13.1
30°-40°	425.7	15.3
40°-50°	428.0	15.4
50°-60°	376.9	13.5
60°-70°	278.2	10.0
70°-80°	154.2	5.5
80°-90°	40.1	1.4
90°-100°	14.3	0.5
100°-110°	36.8	1.3
110°-120°	59.7	2.1
120°-130°	74.6	2.7
130°-140°	70.1	2.5
140°-150°	55.3	2.0
150°-160°	38.1	1.4
160°-170°	22.4	0.8
170°-180°	7.4	0.3
0°-30°	700.5	25.2
0°-40°	1126.3	40.5
0°-60°	1931.2	69.4
0°-90°	2403.7	86.4
90°-120°	110.8	4.0
90°-150°	310.7	11.2
90°-180°	379.0	13.6
0°-180°	2782.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	932	922	926	923	922	88
15°	886	878	882	878	876	250
25°	803	796	797	787	785	370
35°	691	685	684	672	669	433
45°	566	561	555	547	546	437
55°	432	427	426	417	414	385
65°	289	286	282	276	273	286
75°	150	148	147	142	142	158
85°	32	34	34	32	32	38
90°	3	6	6	6	6	3
95°	10	12	13	13	13	11
105°	28	38	34	37	34	29
115°	41	66	68	59	57	41
125°	54	75	92	95	94	48
135°	63	70	92	114	113	49
145°	70	73	88	101	103	44
155°	73	76	81	87	87	34
165°	76	76	81	82	81	22
175°	78	78	78	78	75	7
180°	76	76	76	76	76	



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CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-DLED-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	930.5	930.5	930.5	930.5	930.5
2.5°	936.4	926.1	930.5	927.5	921.7
5°	932.0	921.7	926.1	923.1	921.7
7.5°	923.1	914.3	918.7	915.8	914.3
10°	912.9	904.1	908.5	904.1	902.6
12.5°	902.6	892.3	896.7	890.9	890.9
15°	886.5	877.6	882.1	877.6	876.2
17.5°	868.8	860.0	863.0	858.6	857.1
20°	848.3	839.5	842.4	836.6	833.6
22.5°	826.3	818.9	821.9	811.6	810.1
25°	802.8	795.5	796.9	786.7	785.2
27.5°	779.3	769.0	772.0	760.2	757.3
30°	751.4	742.6	744.1	732.4	729.4
32.5°	720.6	714.7	714.7	703.0	701.5
35°	691.3	685.4	683.9	672.2	669.2
37.5°	661.9	654.6	653.1	639.9	639.9
40°	629.6	623.7	620.8	610.5	609.1
42.5°	598.8	591.5	588.5	578.2	578.2
45°	566.5	560.6	554.8	547.4	546.0
47.5°	532.8	526.9	523.9	515.1	513.7
50°	499.0	494.6	490.2	482.9	481.4
52.5°	463.8	460.8	457.9	450.6	446.2
55°	431.5	427.1	425.6	416.8	413.9
57.5°	396.3	391.9	390.4	380.1	375.7
60°	358.1	353.7	352.2	343.4	342.0
62.5°	324.3	319.9	317.0	311.1	308.2
65°	289.1	286.2	281.8	275.9	273.0
67.5°	253.9	251.0	246.6	242.2	239.2
70°	218.7	215.7	212.8	206.9	205.5
72.5°	183.5	180.5	177.6	174.6	174.6
75°	149.7	148.2	146.8	142.4	142.4
77.5°	115.9	114.5	113.0	111.5	111.5
80°	85.1	85.1	83.7	82.2	82.2
82.5°	57.2	57.2	57.2	55.8	55.8
85°	32.3	33.8	33.8	32.3	32.3
87.5°	13.2	13.2	13.2	13.2	13.2
90°	2.9	5.9	5.9	5.9	5.9
92.5°	5.9	7.3	8.8	10.3	8.8
95°	10.3	11.7	13.2	13.2	13.2
97.5°	16.1	17.6	17.6	17.6	17.6
100°	20.5	23.5	22.0	23.5	22.0
102.5°	24.9	30.8	30.8	27.9	27.9
105°	27.9	38.2	33.8	36.7	33.8
107.5°	30.8	47.0	39.6	41.1	42.6
110°	35.2	52.8	48.4	44.0	45.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	38.2	64.6	57.2	51.4	49.9
115°	41.1	66.0	67.5	58.7	57.2
117.5°	45.5	66.0	76.3	69.0	66.0
120°	48.4	70.4	83.7	77.8	74.8
122.5°	51.4	73.4	88.1	88.1	85.1
125°	54.3	74.8	92.5	95.4	93.9
127.5°	55.8	70.4	99.8	104.2	102.7
130°	58.7	67.5	98.3	105.7	110.1
132.5°	61.6	69.0	95.4	107.1	110.1
135°	63.1	70.4	92.5	114.5	113.0
137.5°	64.6	71.9	93.9	110.1	117.4
140°	67.5	71.9	95.4	104.2	113.0
142.5°	69.0	73.4	95.4	99.8	105.7
145°	70.4	73.4	88.1	101.3	102.7
147.5°	70.4	74.8	82.2	102.7	102.7
150°	71.9	74.8	82.2	102.7	102.7
152.5°	73.4	76.3	80.7	89.5	101.3
155°	73.4	76.3	80.7	86.6	86.6
157.5°	74.8	76.3	80.7	85.1	85.1
160°	74.8	76.3	80.7	83.7	82.2
162.5°	76.3	76.3	79.3	82.2	80.7
165°	76.3	76.3	80.7	82.2	80.7
167.5°	76.3	77.8	79.3	80.7	79.3
170°	77.8	77.8	79.3	79.3	77.8
172.5°	77.8	77.8	79.3	77.8	76.3
175°	77.8	77.8	77.8	77.8	74.8
177.5°	77.8	76.3	77.8	76.3	73.4
180°	76.3	76.3	76.3	76.3	76.3

(END OF REPORT)