

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: P274882

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-DLED-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274882
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2733.1 lumens
Efficiency: N/A
Efficacy: 104.7 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

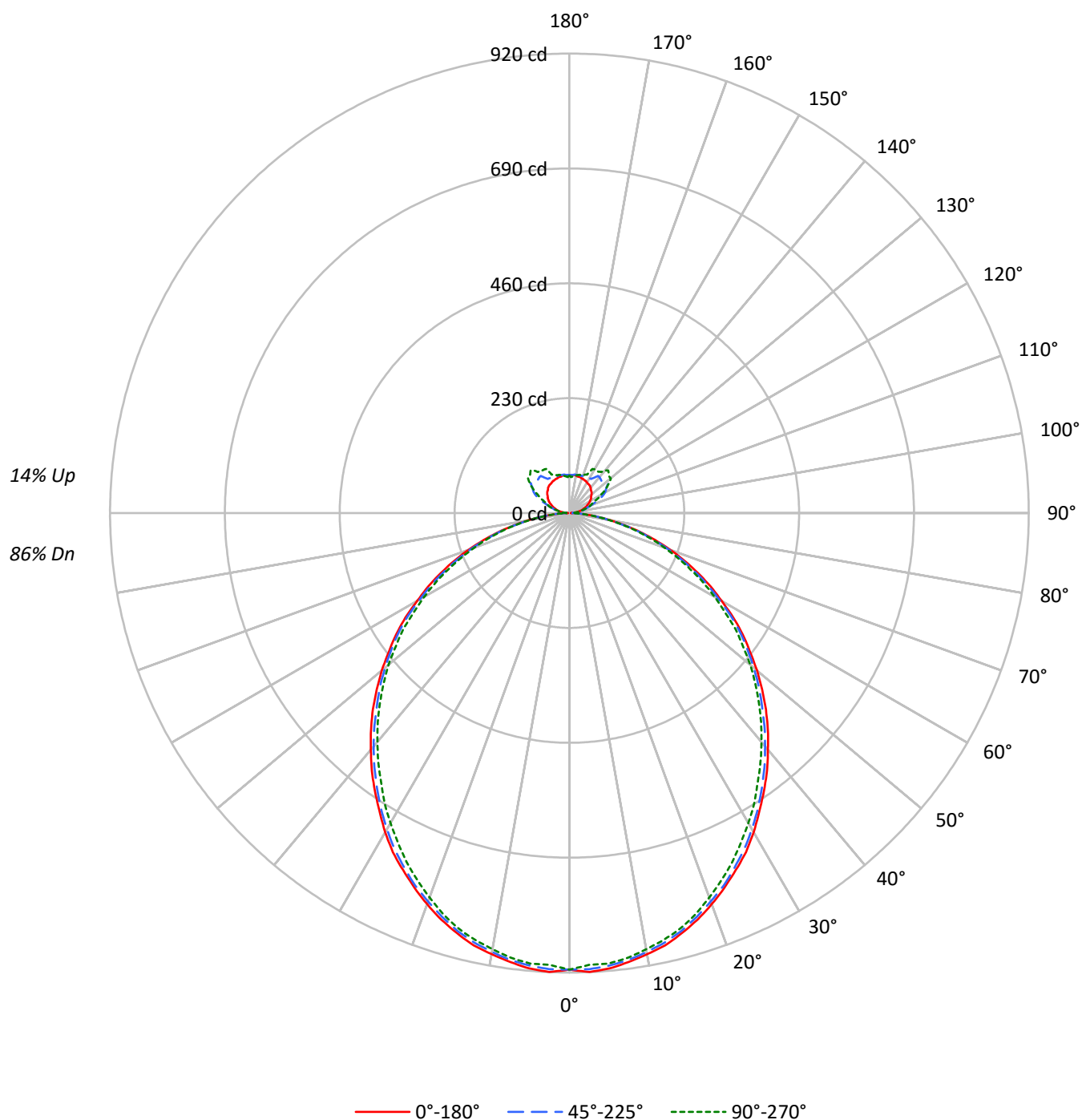
Input Watts (W): 26.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10	50	30	10		
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°	7379	7379	7379
5°	7418	7372	7336
10°	7351	7315	7268
15°	7278	7241	7193
20°	7159	7109	7035
25°	7024	6973	6870
30°	6880	6813	6679
35°	6692	6621	6479
40°	6518	6426	6305
45°	6353	6221	6123
50°	6157	6047	5939
55°	5965	5885	5721
60°	5680	5586	5423
65°	5425	5287	5121
70°	5070	4933	4763
75°	4585	4498	4361
80°	3887	3821	3752
85°	2936	3075	2936



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	3.2
10°-20°	243.3	8.9
20°-30°	358.8	13.1
30°-40°	418.2	15.3
40°-50°	420.4	15.4
50°-60°	370.3	13.5
60°-70°	273.3	10.0
70°-80°	151.4	5.5
80°-90°	39.4	1.4
90°-100°	14.0	0.5
100°-110°	36.1	1.3
110°-120°	58.7	2.1
120°-130°	73.3	2.7
130°-140°	68.8	2.5
140°-150°	54.3	2.0
150°-160°	37.4	1.4
160°-170°	22.0	0.8
170°-180°	7.3	0.3
0°-30°	688.1	25.2
0°-40°	1106.3	40.5
0°-60°	1897.0	69.4
0°-90°	2361.2	86.4
90°-120°	108.8	4.0
90°-150°	305.2	11.2
90°-180°	372.0	13.6
0°-180°	2733.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	914	914	914	914	914	
5°	915	905	910	907	905	87
15°	871	862	866	862	861	245
25°	789	781	783	773	771	363
35°	679	673	672	660	657	425
45°	556	551	545	538	536	429
55°	424	420	418	409	406	378
65°	284	281	277	271	268	281
75°	147	146	144	140	140	156
85°	32	33	33	32	32	37
90°	3	6	6	6	6	3
95°	10	12	13	13	13	11
105°	27	38	33	36	33	29
115°	40	65	66	58	56	41
125°	53	74	91	94	92	47
135°	62	69	91	112	111	48
145°	69	72	86	100	101	43
155°	72	75	79	85	85	33
165°	75	75	79	81	79	21
175°	76	76	76	76	74	7
180°	75	75	75	75	75	



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CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-DLED-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	914.0	914.0	914.0	914.0	914.0
2.5°	919.8	909.7	914.0	911.1	905.3
5°	915.4	905.3	909.7	906.8	905.3
7.5°	906.8	898.1	902.5	899.6	898.1
10°	896.7	888.0	892.4	888.0	886.6
12.5°	886.6	876.5	880.8	875.1	875.1
15°	870.8	862.1	866.4	862.1	860.7
17.5°	853.5	844.8	847.7	843.4	841.9
20°	833.3	824.6	827.5	821.7	818.9
22.5°	811.6	804.4	807.3	797.2	795.8
25°	788.6	781.4	782.8	772.7	771.3
27.5°	765.5	755.4	758.3	746.8	743.9
30°	738.1	729.5	730.9	719.4	716.5
32.5°	707.8	702.1	702.1	690.5	689.1
35°	679.0	673.2	671.8	660.3	657.4
37.5°	650.2	643.0	641.5	628.6	628.6
40°	618.5	612.7	609.8	599.7	598.3
42.5°	588.2	581.0	578.1	568.0	568.0
45°	556.5	550.7	544.9	537.7	536.3
47.5°	523.3	517.5	514.7	506.0	504.6
50°	490.2	485.8	481.5	474.3	472.9
52.5°	455.6	452.7	449.8	442.6	438.3
55°	423.8	419.5	418.1	409.4	406.5
57.5°	389.2	384.9	383.5	373.4	369.1
60°	351.8	347.4	346.0	337.3	335.9
62.5°	318.6	314.3	311.4	305.6	302.7
65°	284.0	281.1	276.8	271.0	268.1
67.5°	249.4	246.5	242.2	237.9	235.0
70°	214.8	211.9	209.0	203.3	201.8
72.5°	180.2	177.3	174.4	171.6	171.6
75°	147.0	145.6	144.2	139.8	139.8
77.5°	113.9	112.4	111.0	109.6	109.6
80°	83.6	83.6	82.2	80.7	80.7
82.5°	56.2	56.2	56.2	54.8	54.8
85°	31.7	33.2	33.2	31.7	31.7
87.5°	13.0	13.0	13.0	13.0	13.0
90°	2.9	5.8	5.8	5.8	5.8
92.5°	5.8	7.2	8.6	10.1	8.6
95°	10.1	11.5	13.0	13.0	13.0
97.5°	15.9	17.3	17.3	17.3	17.3
100°	20.2	23.1	21.6	23.1	21.6
102.5°	24.5	30.3	30.3	27.4	27.4
105°	27.4	37.5	33.2	36.0	33.2
107.5°	30.3	46.1	38.9	40.4	41.8
110°	34.6	51.9	47.6	43.2	44.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	37.5	63.4	56.2	50.5	49.0
115°	40.4	64.9	66.3	57.7	56.2
117.5°	44.7	64.9	75.0	67.8	64.9
120°	47.6	69.2	82.2	76.4	73.5
122.5°	50.5	72.1	86.5	86.5	83.6
125°	53.3	73.5	90.8	93.7	92.3
127.5°	54.8	69.2	98.0	102.4	100.9
130°	57.7	66.3	96.6	103.8	108.1
132.5°	60.5	67.8	93.7	105.2	108.1
135°	62.0	69.2	90.8	112.4	111.0
137.5°	63.4	70.6	92.3	108.1	115.3
140°	66.3	70.6	93.7	102.4	111.0
142.5°	67.8	72.1	93.7	98.0	103.8
145°	69.2	72.1	86.5	99.5	100.9
147.5°	69.2	73.5	80.7	100.9	100.9
150°	70.6	73.5	80.7	100.9	100.9
152.5°	72.1	75.0	79.3	87.9	99.5
155°	72.1	75.0	79.3	85.1	85.1
157.5°	73.5	75.0	79.3	83.6	83.6
160°	73.5	75.0	79.3	82.2	80.7
162.5°	75.0	75.0	77.8	80.7	79.3
165°	75.0	75.0	79.3	80.7	79.3
167.5°	75.0	76.4	77.8	79.3	77.8
170°	76.4	76.4	77.8	77.8	76.4
172.5°	76.4	76.4	77.8	76.4	75.0
175°	76.4	76.4	76.4	76.4	73.5
177.5°	76.4	75.0	76.4	75.0	72.1
180°	75.0	75.0	75.0	75.0	75.0

(END OF REPORT)