

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: P274899

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274899
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 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2481.1 lumens
Efficiency: N/A
Efficacy: 94.3 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

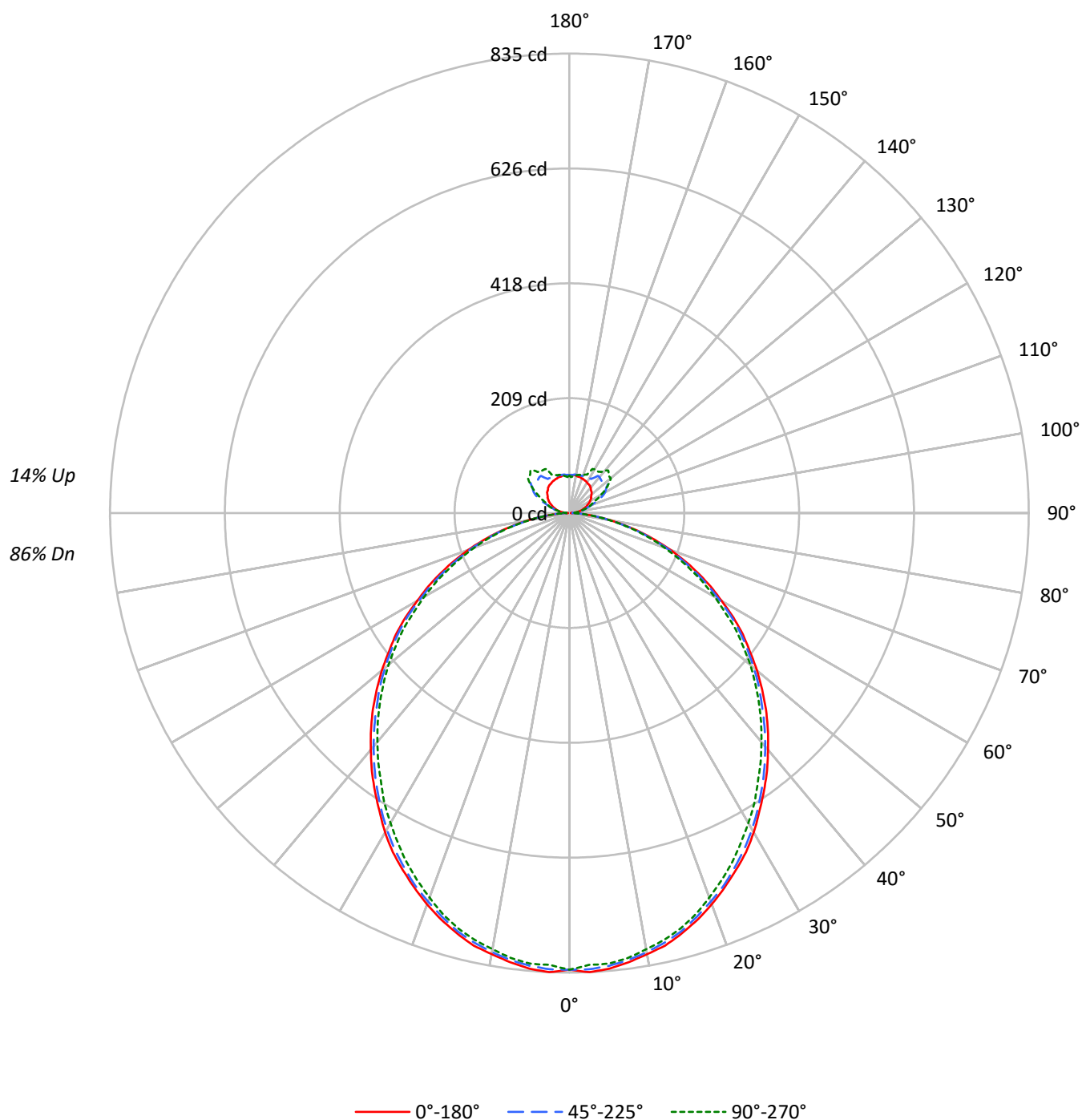
Input Watts (W): 26.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6698	6698	6698
5°	6735	6692	6660
10°	6673	6641	6598
15°	6607	6574	6530
20°	6499	6454	6387
25°	6377	6330	6237
30°	6247	6185	6063
35°	6075	6011	5882
40°	5917	5834	5723
45°	5768	5648	5559
50°	5589	5490	5392
55°	5416	5341	5195
60°	5155	5071	4923
65°	4925	4800	4649
70°	4603	4480	4324
75°	4164	4083	3958
80°	3529	3468	3408
85°	2668	2788	2668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	3.2
10°-20°	220.8	8.9
20°-30°	325.7	13.1
30°-40°	379.6	15.3
40°-50°	381.7	15.4
50°-60°	336.1	13.5
60°-70°	248.1	10.0
70°-80°	137.5	5.5
80°-90°	35.8	1.4
90°-100°	12.7	0.5
100°-110°	32.8	1.3
110°-120°	53.3	2.1
120°-130°	66.5	2.7
130°-140°	62.5	2.5
140°-150°	49.3	2.0
150°-160°	33.9	1.4
160°-170°	20.0	0.8
170°-180°	6.6	0.3
0°-30°	624.7	25.2
0°-40°	1004.3	40.5
0°-60°	1722.1	69.4
0°-90°	2143.5	86.4
90°-120°	98.8	4.0
90°-150°	277.1	11.2
90°-180°	338.0	13.6
0°-180°	2481.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	830	830	830	830	830	
5°	831	822	826	823	822	79
15°	790	783	787	783	781	223
25°	716	709	711	702	700	330
35°	616	611	610	599	597	386
45°	505	500	495	488	487	389
55°	385	381	380	372	369	343
65°	258	255	251	246	243	255
75°	134	132	131	127	127	141
85°	29	30	30	29	29	34
90°	3	5	5	5	5	3
95°	9	10	12	12	12	10
105°	25	34	30	33	30	26
115°	37	59	60	52	51	37
125°	48	67	82	85	84	43
135°	56	63	82	102	101	44
145°	63	65	78	90	92	39
155°	65	68	72	77	77	30
165°	68	68	72	73	72	19
175°	69	69	69	69	67	7
180°	68	68	68	68	68	



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CATALOG NUMBER: J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	829.7	829.7	829.7	829.7	829.7
2.5°	835.0	825.8	829.7	827.1	821.9
5°	831.1	821.9	825.8	823.2	821.9
7.5°	823.2	815.3	819.3	816.7	815.3
10°	814.0	806.2	810.1	806.2	804.9
12.5°	804.9	795.7	799.6	794.4	794.4
15°	790.5	782.6	786.6	782.6	781.3
17.5°	774.8	766.9	769.5	765.6	764.3
20°	756.5	748.6	751.2	746.0	743.4
22.5°	736.8	730.3	732.9	723.7	722.4
25°	715.9	709.3	710.6	701.5	700.2
27.5°	694.9	685.8	688.4	677.9	675.3
30°	670.1	662.2	663.5	653.1	650.4
32.5°	642.6	637.4	637.4	626.9	625.6
35°	616.4	611.2	609.9	599.4	596.8
37.5°	590.2	583.7	582.4	570.6	570.6
40°	561.5	556.2	553.6	544.4	543.1
42.5°	534.0	527.4	524.8	515.6	515.6
45°	505.2	499.9	494.7	488.2	486.9
47.5°	475.1	469.8	467.2	459.4	458.1
50°	445.0	441.0	437.1	430.6	429.3
52.5°	413.6	410.9	408.3	401.8	397.9
55°	384.8	380.8	379.5	371.7	369.1
57.5°	353.4	349.4	348.1	339.0	335.0
60°	319.3	315.4	314.1	306.2	304.9
62.5°	289.2	285.3	282.7	277.5	274.8
65°	257.8	255.2	251.3	246.0	243.4
67.5°	226.4	223.8	219.9	215.9	213.3
70°	195.0	192.4	189.8	184.5	183.2
72.5°	163.6	161.0	158.4	155.7	155.7
75°	133.5	132.2	130.9	126.9	126.9
77.5°	103.4	102.1	100.8	99.5	99.5
80°	75.9	75.9	74.6	73.3	73.3
82.5°	51.0	51.0	51.0	49.7	49.7
85°	28.8	30.1	30.1	28.8	28.8
87.5°	11.8	11.8	11.8	11.8	11.8
90°	2.6	5.2	5.2	5.2	5.2
92.5°	5.2	6.5	7.9	9.2	7.9
95°	9.2	10.5	11.8	11.8	11.8
97.5°	14.4	15.7	15.7	15.7	15.7
100°	18.3	20.9	19.6	20.9	19.6
102.5°	22.2	27.5	27.5	24.9	24.9
105°	24.9	34.0	30.1	32.7	30.1
107.5°	27.5	41.9	35.3	36.6	38.0
110°	31.4	47.1	43.2	39.3	40.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	34.0	57.6	51.0	45.8	44.5
115°	36.6	58.9	60.2	52.3	51.0
117.5°	40.6	58.9	68.1	61.5	58.9
120°	43.2	62.8	74.6	69.4	66.7
122.5°	45.8	65.4	78.5	78.5	75.9
125°	48.4	66.7	82.5	85.1	83.8
127.5°	49.7	62.8	89.0	92.9	91.6
130°	52.3	60.2	87.7	94.2	98.2
132.5°	55.0	61.5	85.1	95.5	98.2
135°	56.3	62.8	82.5	102.1	100.8
137.5°	57.6	64.1	83.8	98.2	104.7
140°	60.2	64.1	85.1	92.9	100.8
142.5°	61.5	65.4	85.1	89.0	94.2
145°	62.8	65.4	78.5	90.3	91.6
147.5°	62.8	66.7	73.3	91.6	91.6
150°	64.1	66.7	73.3	91.6	91.6
152.5°	65.4	68.1	72.0	79.8	90.3
155°	65.4	68.1	72.0	77.2	77.2
157.5°	66.7	68.1	72.0	75.9	75.9
160°	66.7	68.1	72.0	74.6	73.3
162.5°	68.1	68.1	70.7	73.3	72.0
165°	68.1	68.1	72.0	73.3	72.0
167.5°	68.1	69.4	70.7	72.0	70.7
170°	69.4	69.4	70.7	70.7	69.4
172.5°	69.4	69.4	70.7	69.4	68.1
175°	69.4	69.4	69.4	69.4	66.7
177.5°	69.4	68.1	69.4	68.1	65.4
180°	68.1	68.1	68.1	68.1	68.1

(END OF REPORT)