

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: P274868

Luminaire Tested: **J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274868
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-20L92765-1D-UNV-W2A-DLED-W-4 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1738.2 lumens
Efficiency: N/A
Efficacy: 99.9 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

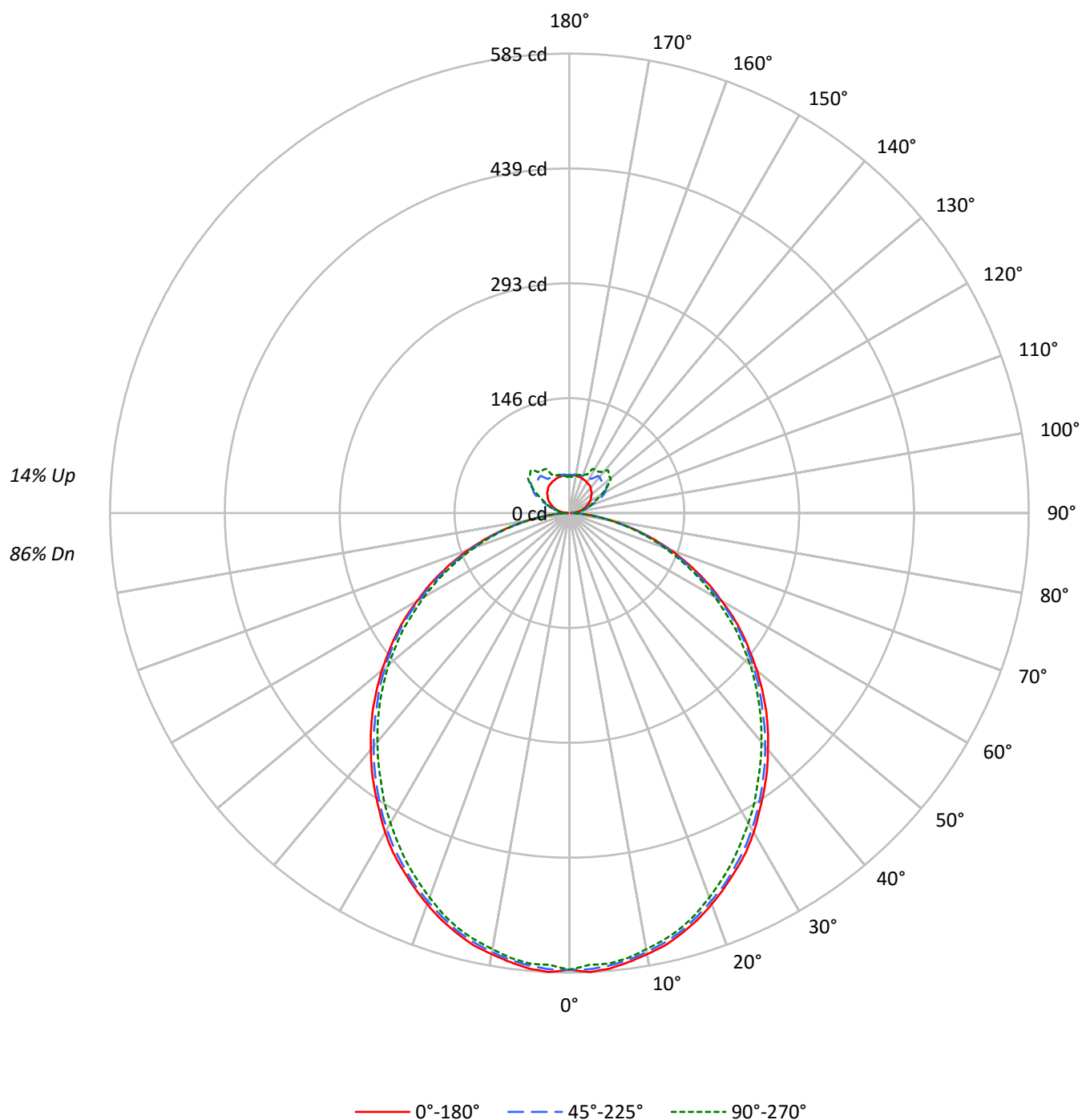
Input Watts (W): 17.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4693	4693	4693
5°	4718	4688	4666
10°	4675	4652	4622
15°	4629	4605	4574
20°	4552	4521	4473
25°	4467	4434	4369
30°	4376	4333	4248
35°	4255	4210	4120
40°	4145	4087	4010
45°	4040	3957	3894
50°	3915	3846	3777
55°	3793	3742	3638
60°	3612	3552	3449
65°	3450	3362	3257
70°	3224	3137	3031
75°	2916	2860	2773
80°	2473	2431	2385
85°	1871	1954	1871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	3.2
10°-20°	154.7	8.9
20°-30°	228.2	13.1
30°-40°	265.9	15.3
40°-50°	267.4	15.4
50°-60°	235.5	13.5
60°-70°	173.8	10.0
70°-80°	96.3	5.5
80°-90°	25.1	1.4
90°-100°	8.9	0.5
100°-110°	23.0	1.3
110°-120°	37.3	2.1
120°-130°	46.6	2.7
130°-140°	43.8	2.5
140°-150°	34.5	2.0
150°-160°	23.8	1.4
160°-170°	14.0	0.8
170°-180°	4.6	0.3
0°-30°	437.6	25.2
0°-40°	703.6	40.5
0°-60°	1206.4	69.4
0°-90°	1501.6	86.4
90°-120°	69.2	4.0
90°-150°	194.1	11.2
90°-180°	237.0	13.6
0°-180°	1738.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	581	581	581	581	581	
5°	582	576	578	577	576	55
15°	554	548	551	548	547	156
25°	502	497	498	491	490	231
35°	432	428	427	420	418	270
45°	354	350	347	342	341	273
55°	270	267	266	260	258	240
65°	181	179	176	172	170	179
75°	94	93	92	89	89	99
85°	20	21	21	20	20	24
90°	2	4	4	4	4	2
95°	6	7	8	8	8	7
105°	17	24	21	23	21	18
115°	26	41	42	37	36	26
125°	34	47	58	60	59	30
135°	39	44	58	72	71	30
145°	44	46	55	63	64	27
155°	46	48	50	54	54	21
165°	48	48	50	51	50	14
175°	49	49	49	49	47	5
180°	48	48	48	48	48	



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CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	581.3	581.3	581.3	581.3	581.3
2.5°	584.9	578.5	581.3	579.4	575.8
5°	582.2	575.8	578.5	576.7	575.8
7.5°	576.7	571.2	573.9	572.1	571.2
10°	570.3	564.8	567.5	564.8	563.8
12.5°	563.8	557.4	560.2	556.5	556.5
15°	553.8	548.3	551.0	548.3	547.3
17.5°	542.8	537.3	539.1	536.3	535.4
20°	529.9	524.4	526.2	522.6	520.7
22.5°	516.2	511.6	513.4	507.0	506.1
25°	501.5	496.9	497.8	491.4	490.5
27.5°	486.8	480.4	482.2	474.9	473.1
30°	469.4	463.9	464.8	457.5	455.7
32.5°	450.2	446.5	446.5	439.2	438.2
35°	431.8	428.2	427.2	419.9	418.1
37.5°	413.5	408.9	408.0	399.7	399.7
40°	393.3	389.6	387.8	381.4	380.5
42.5°	374.1	369.5	367.6	361.2	361.2
45°	353.9	350.2	346.6	342.0	341.1
47.5°	332.8	329.1	327.3	321.8	320.9
50°	311.7	309.0	306.2	301.6	300.7
52.5°	289.7	287.9	286.0	281.5	278.7
55°	269.5	266.8	265.9	260.4	258.5
57.5°	247.5	244.8	243.9	237.5	234.7
60°	223.7	221.0	220.0	214.5	213.6
62.5°	202.6	199.9	198.0	194.4	192.5
65°	180.6	178.8	176.0	172.4	170.5
67.5°	158.6	156.8	154.0	151.3	149.4
70°	136.6	134.8	132.9	129.3	128.4
72.5°	114.6	112.8	110.9	109.1	109.1
75°	93.5	92.6	91.7	88.9	88.9
77.5°	72.4	71.5	70.6	69.7	69.7
80°	53.2	53.2	52.3	51.3	51.3
82.5°	35.8	35.8	35.8	34.8	34.8
85°	20.2	21.1	21.1	20.2	20.2
87.5°	8.3	8.3	8.3	8.3	8.3
90°	1.8	3.7	3.7	3.7	3.7
92.5°	3.7	4.6	5.5	6.4	5.5
95°	6.4	7.3	8.3	8.3	8.3
97.5°	10.1	11.0	11.0	11.0	11.0
100°	12.8	14.7	13.8	14.7	13.8
102.5°	15.6	19.3	19.3	17.4	17.4
105°	17.4	23.8	21.1	22.9	21.1
107.5°	19.3	29.3	24.8	25.7	26.6
110°	22.0	33.0	30.3	27.5	28.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	23.8	40.3	35.8	32.1	31.2
115°	25.7	41.3	42.2	36.7	35.8
117.5°	28.4	41.3	47.7	43.1	41.3
120°	30.3	44.0	52.3	48.6	46.8
122.5°	32.1	45.8	55.0	55.0	53.2
125°	33.9	46.8	57.8	59.6	58.7
127.5°	34.8	44.0	62.3	65.1	64.2
130°	36.7	42.2	61.4	66.0	68.8
132.5°	38.5	43.1	59.6	66.9	68.8
135°	39.4	44.0	57.8	71.5	70.6
137.5°	40.3	44.9	58.7	68.8	73.3
140°	42.2	44.9	59.6	65.1	70.6
142.5°	43.1	45.8	59.6	62.3	66.0
145°	44.0	45.8	55.0	63.3	64.2
147.5°	44.0	46.8	51.3	64.2	64.2
150°	44.9	46.8	51.3	64.2	64.2
152.5°	45.8	47.7	50.4	55.9	63.3
155°	45.8	47.7	50.4	54.1	54.1
157.5°	46.8	47.7	50.4	53.2	53.2
160°	46.8	47.7	50.4	52.3	51.3
162.5°	47.7	47.7	49.5	51.3	50.4
165°	47.7	47.7	50.4	51.3	50.4
167.5°	47.7	48.6	49.5	50.4	49.5
170°	48.6	48.6	49.5	49.5	48.6
172.5°	48.6	48.6	49.5	48.6	47.7
175°	48.6	48.6	48.6	48.6	46.8
177.5°	48.6	47.7	48.6	47.7	45.8
180°	47.7	47.7	47.7	47.7	47.7

(END OF REPORT)