

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: P274866

Luminaire Tested: **J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274866
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1661.0 lumens
Efficiency: N/A
Efficacy: 96.6 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

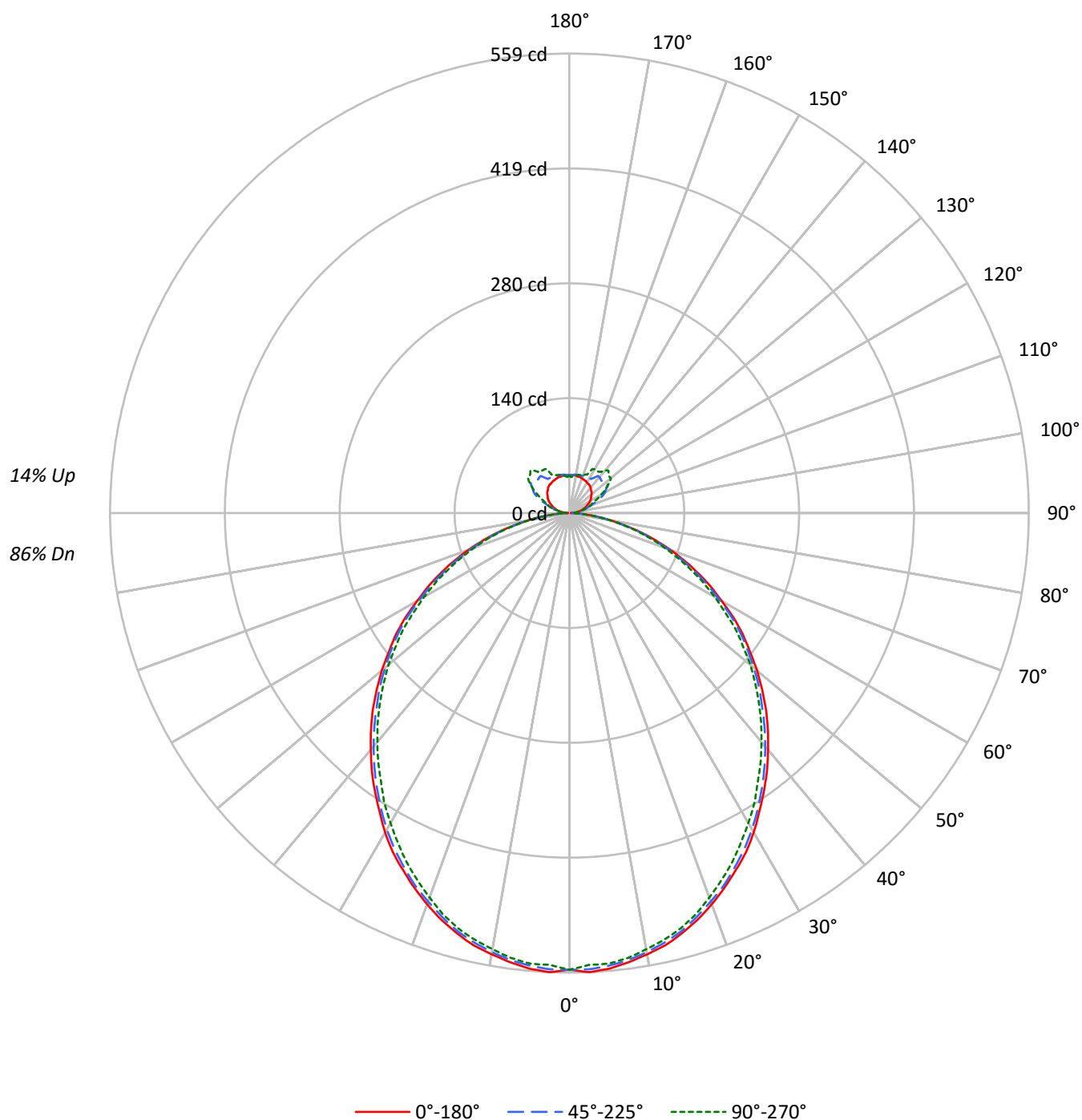
Input Watts (W): 17.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4485	4485	4485
5°	4508	4480	4459
10°	4468	4445	4417
15°	4423	4401	4371
20°	4351	4320	4275
25°	4268	4237	4175
30°	4182	4141	4059
35°	4067	4024	3937
40°	3961	3906	3832
45°	3861	3781	3721
50°	3741	3675	3610
55°	3626	3576	3478
60°	3452	3395	3295
65°	3297	3213	3114
70°	3080	2998	2896
75°	2789	2732	2651
80°	2362	2320	2283
85°	1788	1871	1788



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	3.2
10°-20°	147.8	8.9
20°-30°	218.0	13.1
30°-40°	254.1	15.3
40°-50°	255.5	15.4
50°-60°	225.0	13.5
60°-70°	166.1	10.0
70°-80°	92.0	5.5
80°-90°	24.0	1.4
90°-100°	8.5	0.5
100°-110°	22.0	1.3
110°-120°	35.7	2.1
120°-130°	44.5	2.7
130°-140°	41.8	2.5
140°-150°	33.0	2.0
150°-160°	22.7	1.4
160°-170°	13.4	0.8
170°-180°	4.4	0.3
0°-30°	418.2	25.2
0°-40°	672.3	40.5
0°-60°	1152.9	69.4
0°-90°	1435.0	86.4
90°-120°	66.1	4.0
90°-150°	185.5	11.2
90°-180°	226.0	13.6
0°-180°	1661.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	556	556	556	556	556	
5°	556	550	553	551	550	53
15°	529	524	527	524	523	149
25°	479	475	476	470	469	221
35°	413	409	408	401	400	258
45°	338	335	331	327	326	261
55°	258	255	254	249	247	230
65°	173	171	168	165	163	171
75°	89	88	88	85	85	95
85°	19	20	20	19	19	23
90°	2	4	4	4	4	2
95°	6	7	8	8	8	6
105°	17	23	20	22	20	18
115°	24	39	40	35	34	25
125°	32	45	55	57	56	29
135°	38	42	55	68	68	29
145°	42	44	53	60	61	26
155°	44	46	48	52	52	20
165°	46	46	48	49	48	13
175°	46	46	46	46	45	4
180°	46	46	46	46	46	



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CATALOG NUMBER: J2-WL-20L92765-1D-UNV-W2A-DLED-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	555.5	555.5	555.5	555.5	555.5
2.5°	559.0	552.8	555.5	553.7	550.2
5°	556.3	550.2	552.8	551.1	550.2
7.5°	551.1	545.8	548.5	546.7	545.8
10°	545.0	539.7	542.3	539.7	538.8
12.5°	538.8	532.7	535.3	531.8	531.8
15°	529.2	523.9	526.6	523.9	523.0
17.5°	518.7	513.4	515.2	512.5	511.7
20°	506.4	501.1	502.9	499.4	497.6
22.5°	493.3	488.9	490.6	484.5	483.6
25°	479.2	474.9	475.7	469.6	468.7
27.5°	465.2	459.1	460.8	453.8	452.1
30°	448.6	443.3	444.2	437.2	435.4
32.5°	430.2	426.7	426.7	419.7	418.8
35°	412.7	409.2	408.3	401.3	399.5
37.5°	395.1	390.8	389.9	382.0	382.0
40°	375.9	372.4	370.6	364.5	363.6
42.5°	357.5	353.1	351.3	345.2	345.2
45°	338.2	334.7	331.2	326.8	325.9
47.5°	318.0	314.5	312.8	307.5	306.6
50°	297.9	295.3	292.6	288.2	287.4
52.5°	276.9	275.1	273.4	269.0	266.3
55°	257.6	255.0	254.1	248.8	247.1
57.5°	236.6	233.9	233.0	226.9	224.3
60°	213.8	211.1	210.3	205.0	204.1
62.5°	193.6	191.0	189.2	185.7	184.0
65°	172.6	170.8	168.2	164.7	163.0
67.5°	151.6	149.8	147.2	144.6	142.8
70°	130.5	128.8	127.0	123.5	122.7
72.5°	109.5	107.8	106.0	104.3	104.3
75°	89.4	88.5	87.6	85.0	85.0
77.5°	69.2	68.3	67.5	66.6	66.6
80°	50.8	50.8	49.9	49.1	49.1
82.5°	34.2	34.2	34.2	33.3	33.3
85°	19.3	20.2	20.2	19.3	19.3
87.5°	7.9	7.9	7.9	7.9	7.9
90°	1.8	3.5	3.5	3.5	3.5
92.5°	3.5	4.4	5.3	6.1	5.3
95°	6.1	7.0	7.9	7.9	7.9
97.5°	9.6	10.5	10.5	10.5	10.5
100°	12.3	14.0	13.1	14.0	13.1
102.5°	14.9	18.4	18.4	16.6	16.6
105°	16.6	22.8	20.2	21.9	20.2
107.5°	18.4	28.0	23.7	24.5	25.4
110°	21.0	31.5	28.9	26.3	27.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	22.8	38.5	34.2	30.7	29.8
115°	24.5	39.4	40.3	35.0	34.2
117.5°	27.2	39.4	45.6	41.2	39.4
120°	28.9	42.1	49.9	46.4	44.7
122.5°	30.7	43.8	52.6	52.6	50.8
125°	32.4	44.7	55.2	56.9	56.1
127.5°	33.3	42.1	59.6	62.2	61.3
130°	35.0	40.3	58.7	63.1	65.7
132.5°	36.8	41.2	56.9	64.0	65.7
135°	37.7	42.1	55.2	68.3	67.5
137.5°	38.5	42.9	56.1	65.7	70.1
140°	40.3	42.9	56.9	62.2	67.5
142.5°	41.2	43.8	56.9	59.6	63.1
145°	42.1	43.8	52.6	60.5	61.3
147.5°	42.1	44.7	49.1	61.3	61.3
150°	42.9	44.7	49.1	61.3	61.3
152.5°	43.8	45.6	48.2	53.4	60.5
155°	43.8	45.6	48.2	51.7	51.7
157.5°	44.7	45.6	48.2	50.8	50.8
160°	44.7	45.6	48.2	49.9	49.1
162.5°	45.6	45.6	47.3	49.1	48.2
165°	45.6	45.6	48.2	49.1	48.2
167.5°	45.6	46.4	47.3	48.2	47.3
170°	46.4	46.4	47.3	47.3	46.4
172.5°	46.4	46.4	47.3	46.4	45.6
175°	46.4	46.4	46.4	46.4	44.7
177.5°	46.4	45.6	46.4	45.6	43.8
180°	45.6	45.6	45.6	45.6	45.6

(END OF REPORT)