

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: P253384

Luminaire Tested: **J2-WL-20L93050-1D-UNV-W2A-DLED-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253384
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-20L93050-1D-UNV-W2A-DLED-W-4 (3000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1464.1 lumens
Efficiency: N/A
Efficacy: 84.1 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

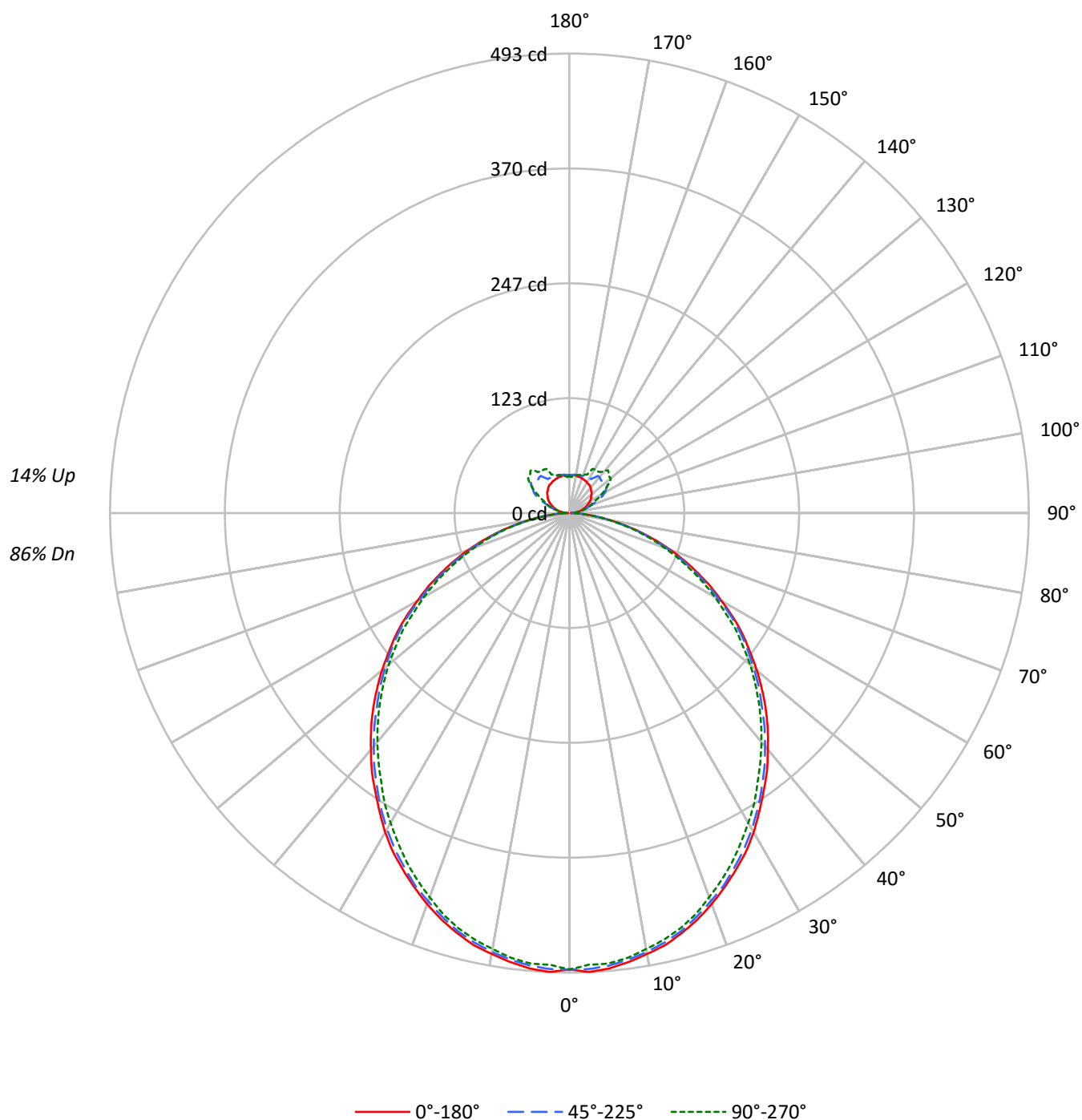
Input Watts (W): 17.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3953	3953	3953
5°	3974	3949	3930
10°	3937	3918	3893
15°	3898	3879	3853
20°	3835	3808	3768
25°	3763	3735	3681
30°	3686	3649	3578
35°	3584	3547	3471
40°	3491	3443	3378
45°	3403	3333	3280
50°	3298	3239	3181
55°	3195	3153	3065
60°	3042	2992	2905
65°	2905	2833	2743
70°	2717	2644	2552
75°	2458	2408	2336
80°	2083	2046	2008
85°	1575	1649	1575



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	3.2
10°-20°	130.3	8.9
20°-30°	192.2	13.1
30°-40°	224.0	15.3
40°-50°	225.2	15.4
50°-60°	198.3	13.5
60°-70°	146.4	10.0
70°-80°	81.1	5.5
80°-90°	21.1	1.4
90°-100°	7.5	0.5
100°-110°	19.4	1.3
110°-120°	31.4	2.1
120°-130°	39.3	2.7
130°-140°	36.9	2.5
140°-150°	29.1	2.0
150°-160°	20.0	1.4
160°-170°	11.8	0.8
170°-180°	3.9	0.3
0°-30°	368.6	25.2
0°-40°	592.6	40.5
0°-60°	1016.2	69.4
0°-90°	1264.8	86.4
90°-120°	58.3	4.0
90°-150°	163.5	11.2
90°-180°	199.0	13.6
0°-180°	1464.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	490	490	490	490	490	
5°	490	485	487	486	485	46
15°	466	462	464	462	461	131
25°	422	419	419	414	413	195
35°	364	361	360	354	352	228
45°	298	295	292	288	287	230
55°	227	225	224	219	218	202
65°	152	151	148	145	144	150
75°	79	78	77	75	75	83
85°	17	18	18	17	17	20
90°	2	3	3	3	3	2
95°	5	6	7	7	7	6
105°	15	20	18	19	18	15
115°	22	35	36	31	30	22
125°	29	39	49	50	49	25
135°	33	37	49	60	60	26
145°	37	39	46	53	54	23
155°	39	40	42	46	46	18
165°	40	40	42	43	42	11
175°	41	41	41	41	39	4
180°	40	40	40	40	40	



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CATALOG NUMBER: J2-WL-20L93050-1D-UNV-W2A-DLED-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	489.6	489.6	489.6	489.6	489.6
2.5°	492.7	487.3	489.6	488.1	485.0
5°	490.4	485.0	487.3	485.8	485.0
7.5°	485.8	481.1	483.4	481.9	481.1
10°	480.3	475.7	478.0	475.7	474.9
12.5°	474.9	469.5	471.9	468.8	468.8
15°	466.4	461.8	464.1	461.8	461.0
17.5°	457.2	452.5	454.1	451.8	451.0
20°	446.4	441.7	443.3	440.2	438.6
22.5°	434.8	430.9	432.5	427.1	426.3
25°	422.4	418.6	419.3	413.9	413.2
27.5°	410.1	404.7	406.2	400.0	398.5
30°	395.4	390.8	391.5	385.4	383.8
32.5°	379.2	376.1	376.1	369.9	369.1
35°	363.7	360.6	359.9	353.7	352.2
37.5°	348.3	344.4	343.7	336.7	336.7
40°	331.3	328.2	326.7	321.3	320.5
42.5°	315.1	311.2	309.7	304.3	304.3
45°	298.1	295.0	291.9	288.1	287.3
47.5°	280.3	277.2	275.7	271.1	270.3
50°	262.6	260.3	257.9	254.1	253.3
52.5°	244.0	242.5	240.9	237.1	234.8
55°	227.0	224.7	224.0	219.3	217.8
57.5°	208.5	206.2	205.4	200.0	197.7
60°	188.4	186.1	185.3	180.7	179.9
62.5°	170.7	168.4	166.8	163.7	162.2
65°	152.1	150.6	148.3	145.2	143.6
67.5°	133.6	132.1	129.7	127.4	125.9
70°	115.1	113.5	112.0	108.9	108.1
72.5°	96.5	95.0	93.4	91.9	91.9
75°	78.8	78.0	77.2	74.9	74.9
77.5°	61.0	60.2	59.5	58.7	58.7
80°	44.8	44.8	44.0	43.2	43.2
82.5°	30.1	30.1	30.1	29.3	29.3
85°	17.0	17.8	17.8	17.0	17.0
87.5°	7.0	7.0	7.0	7.0	7.0
90°	1.5	3.1	3.1	3.1	3.1
92.5°	3.1	3.9	4.6	5.4	4.6
95°	5.4	6.2	7.0	7.0	7.0
97.5°	8.5	9.3	9.3	9.3	9.3
100°	10.8	12.4	11.6	12.4	11.6
102.5°	13.1	16.2	16.2	14.7	14.7
105°	14.7	20.1	17.8	19.3	17.8
107.5°	16.2	24.7	20.9	21.6	22.4
110°	18.5	27.8	25.5	23.2	23.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.1	34.0	30.1	27.0	26.3
115°	21.6	34.8	35.5	30.9	30.1
117.5°	23.9	34.8	40.2	36.3	34.8
120°	25.5	37.1	44.0	40.9	39.4
122.5°	27.0	38.6	46.3	46.3	44.8
125°	28.6	39.4	48.7	50.2	49.4
127.5°	29.3	37.1	52.5	54.8	54.1
130°	30.9	35.5	51.7	55.6	57.9
132.5°	32.4	36.3	50.2	56.4	57.9
135°	33.2	37.1	48.7	60.2	59.5
137.5°	34.0	37.8	49.4	57.9	61.8
140°	35.5	37.8	50.2	54.8	59.5
142.5°	36.3	38.6	50.2	52.5	55.6
145°	37.1	38.6	46.3	53.3	54.1
147.5°	37.1	39.4	43.2	54.1	54.1
150°	37.8	39.4	43.2	54.1	54.1
152.5°	38.6	40.2	42.5	47.1	53.3
155°	38.6	40.2	42.5	45.6	45.6
157.5°	39.4	40.2	42.5	44.8	44.8
160°	39.4	40.2	42.5	44.0	43.2
162.5°	40.2	40.2	41.7	43.2	42.5
165°	40.2	40.2	42.5	43.2	42.5
167.5°	40.2	40.9	41.7	42.5	41.7
170°	40.9	40.9	41.7	41.7	40.9
172.5°	40.9	40.9	41.7	40.9	40.2
175°	40.9	40.9	40.9	40.9	39.4
177.5°	40.9	40.2	40.9	40.2	38.6
180°	40.2	40.2	40.2	40.2	40.2

(END OF REPORT)