

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: P274876

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-1)
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-W-4 (5000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
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: 1887.8 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

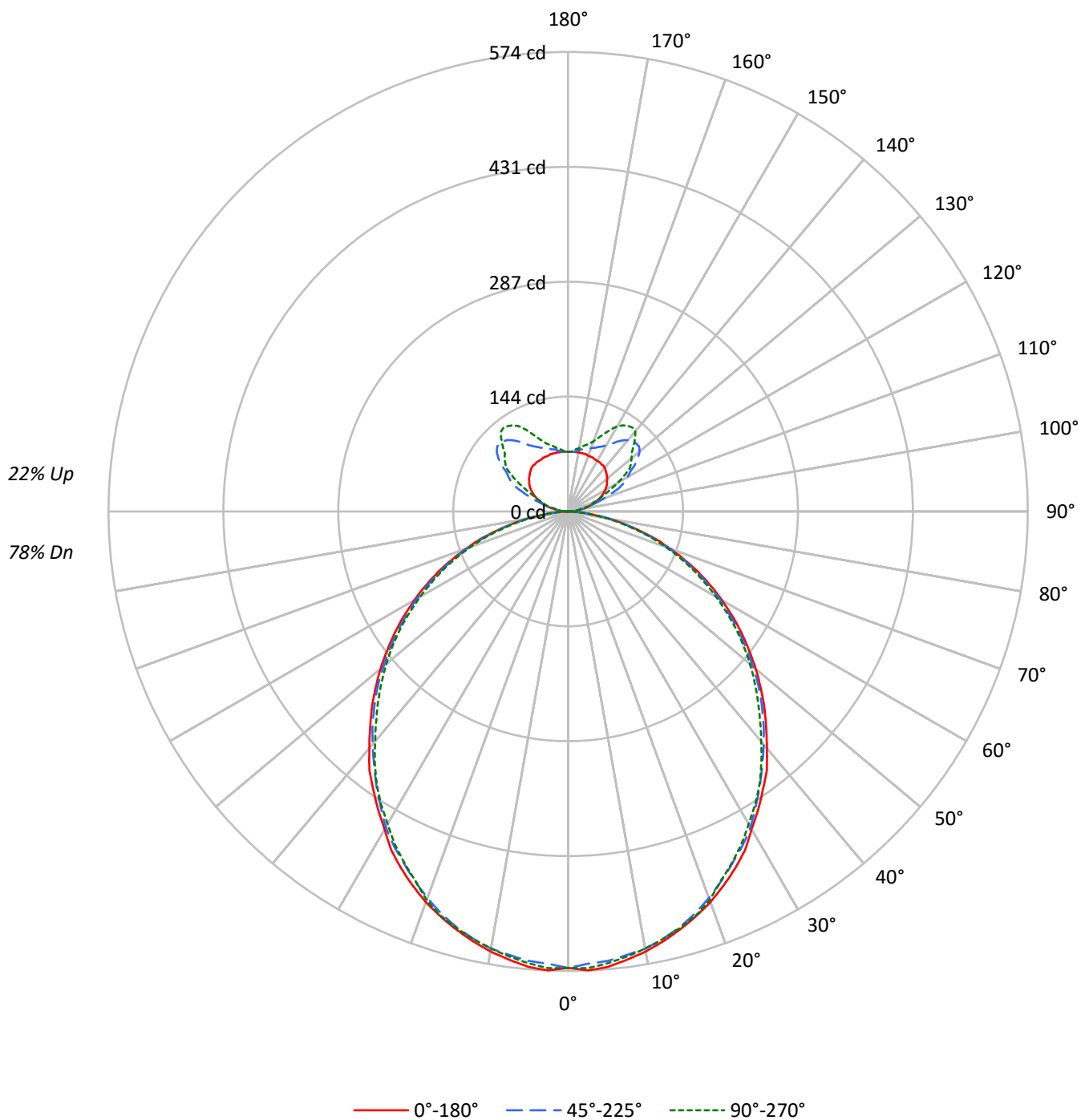
Input Watts (W): 17.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78		
1	104	100	96	92	99	95	92	88	87	84	82	80	78	76	73	71	70	66		
2	95	87	81	75	90	83	78	73	76	72	68	70	66	63	64	61	59	55		
3	87	77	69	63	82	73	66	61	67	62	57	62	57	53	57	53	50	47		
4	79	68	60	53	75	65	58	52	60	54	49	55	50	46	51	46	43	40		
5	73	61	52	46	69	58	50	45	54	47	42	50	44	40	46	41	37	35		
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	41	37	33	31		
7	62	49	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29	27		
8	58	45	37	31	55	43	36	31	40	34	29	38	32	28	35	30	26	24		
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	27	24	22		
10	51	38	30	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4602	4602	4602
5°	4627	4567	4590
10°	4575	4545	4545
15°	4517	4495	4502
20°	4461	4413	4437
25°	4387	4321	4313
30°	4272	4246	4203
35°	4180	4116	4107
40°	4070	4003	3953
45°	3956	3903	3829
50°	3841	3783	3725
55°	3720	3654	3602
60°	3581	3521	3446
65°	3425	3354	3284
70°	3184	3142	3054
75°	2882	2795	2711
80°	2362	2362	2232
85°	1538	1630	1630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	2.8
10°-20°	152.0	8.1
20°-30°	224.6	11.9
30°-40°	262.2	13.9
40°-50°	263.8	14.0
50°-60°	232.4	12.3
60°-70°	173.7	9.2
70°-80°	95.5	5.1
80°-90°	22.4	1.2
90°-100°	10.5	0.6
100°-110°	34.2	1.8
110°-120°	64.4	3.4
120°-130°	81.1	4.3
130°-140°	80.0	4.2
140°-150°	65.0	3.4
150°-160°	41.9	2.2
160°-170°	22.9	1.2
170°-180°	7.3	0.4
0°-30°	430.4	22.8
0°-40°	692.6	36.7
0°-60°	1188.7	63.0
0°-90°	1480.4	78.4
90°-120°	109.2	5.8
90°-150°	335.3	17.8
90°-180°	407.0	21.6
0°-180°	1887.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	570	570	570	570	570	
5°	571	567	564	566	566	54
15°	540	540	538	540	539	152
25°	492	490	485	488	484	227
35°	424	423	418	417	417	265
45°	346	346	342	339	335	267
55°	264	264	260	256	256	236
65°	179	179	176	173	172	177
75°	92	92	90	89	87	98
85°	17	18	18	18	18	21
90°	0	0	0	0	0	2
95°	10	9	9	10	10	10
105°	29	45	30	30	28	30
115°	46	90	71	54	50	46
125°	59	93	102	94	94	53
135°	68	84	120	120	116	52
145°	72	81	106	127	130	45
155°	74	80	89	101	107	34
165°	75	77	80	84	86	21
175°	75	76	75	77	77	7
180°	75	75	75	75	75	



TEST NUMBER: P274876

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	570.1	570.1	570.1	570.1	570.1
2.5°	573.8	570.1	565.5	569.2	571.0
5°	571.0	567.3	563.6	566.4	566.4
7.5°	564.6	563.6	559.0	562.7	560.9
10°	558.1	557.2	554.4	557.2	554.4
12.5°	549.8	548.9	547.0	550.7	547.0
15°	540.5	540.5	537.8	539.6	538.7
17.5°	530.4	530.4	526.7	528.5	529.5
20°	519.3	517.4	513.7	515.6	516.5
22.5°	506.4	504.5	499.9	501.7	499.0
25°	492.5	489.7	485.1	487.9	484.2
27.5°	477.7	473.1	471.2	472.2	468.5
30°	458.3	457.4	455.5	453.7	450.9
32.5°	441.7	440.7	436.1	434.3	434.3
35°	424.1	423.2	417.6	416.7	416.7
37.5°	407.5	404.7	398.2	397.3	396.4
40°	386.2	385.3	379.8	377.9	375.1
42.5°	365.9	365.0	361.3	358.5	354.8
45°	346.5	345.6	341.9	339.1	335.4
47.5°	326.2	327.1	322.5	317.9	316.0
50°	305.8	306.8	301.2	297.5	296.6
52.5°	284.6	285.5	280.0	276.3	276.3
55°	264.3	264.3	259.6	255.9	255.9
57.5°	243.0	243.0	238.4	235.6	234.7
60°	221.8	220.8	218.1	215.3	213.4
62.5°	200.5	200.5	196.8	194.0	192.2
65°	179.3	179.3	175.6	172.8	171.9
67.5°	157.1	158.0	154.3	151.5	150.6
70°	134.9	134.9	133.1	129.4	129.4
72.5°	114.6	112.7	111.8	109.0	109.0
75°	92.4	91.5	89.6	88.7	86.9
77.5°	71.1	71.1	69.3	68.4	67.5
80°	50.8	52.7	50.8	49.9	48.0
82.5°	32.3	34.2	33.3	31.4	31.4
85°	16.6	17.6	17.6	17.6	17.6
87.5°	5.5	6.5	7.4	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.5	5.5	7.4	7.4	7.4
95°	10.2	9.2	9.2	10.2	10.2
97.5°	14.8	14.8	12.0	12.0	12.0
100°	19.4	24.0	18.5	14.8	14.8
102.5°	24.0	34.2	24.0	20.3	18.5
105°	28.6	45.3	29.6	29.6	27.7
107.5°	33.3	54.5	37.9	30.5	31.4
110°	37.9	67.5	47.1	37.9	36.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	42.5	80.4	59.1	45.3	42.5
115°	46.2	89.6	71.1	54.5	49.9
117.5°	49.9	94.2	79.5	66.5	60.1
120°	53.6	96.1	85.9	77.6	72.1
122.5°	56.4	96.1	91.5	88.7	83.2
125°	59.1	93.3	101.6	94.2	94.2
127.5°	61.0	90.6	110.0	99.8	98.9
130°	63.8	87.8	116.4	102.6	103.5
132.5°	65.6	85.0	120.1	111.8	107.2
135°	67.5	84.1	120.1	120.1	115.5
137.5°	69.3	83.2	119.2	126.6	123.8
140°	71.1	83.2	116.4	129.4	130.3
142.5°	72.1	82.2	111.8	129.4	132.1
145°	72.1	81.3	106.3	126.6	130.3
147.5°	73.0	80.4	99.8	122.0	127.5
150°	73.0	80.4	95.2	116.4	122.9
152.5°	73.0	79.5	91.5	108.1	115.5
155°	73.9	79.5	88.7	100.7	107.2
157.5°	73.9	78.5	85.9	95.2	99.8
160°	73.9	77.6	84.1	90.6	93.3
162.5°	74.8	76.7	82.2	86.9	88.7
165°	74.8	76.7	80.4	84.1	85.9
167.5°	74.8	75.8	79.5	82.2	83.2
170°	74.8	75.8	77.6	79.5	80.4
172.5°	74.8	75.8	75.8	77.6	78.5
175°	74.8	75.8	74.8	76.7	76.7
177.5°	74.8	74.8	74.8	74.8	74.8
180°	74.8	74.8	74.8	74.8	74.8

(END OF REPORT)