

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: P275178

Luminaire Tested: **J3-UL-20L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275178  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-20L92765-1D-UNV-W2A-W-4 (4000K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2068.5 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

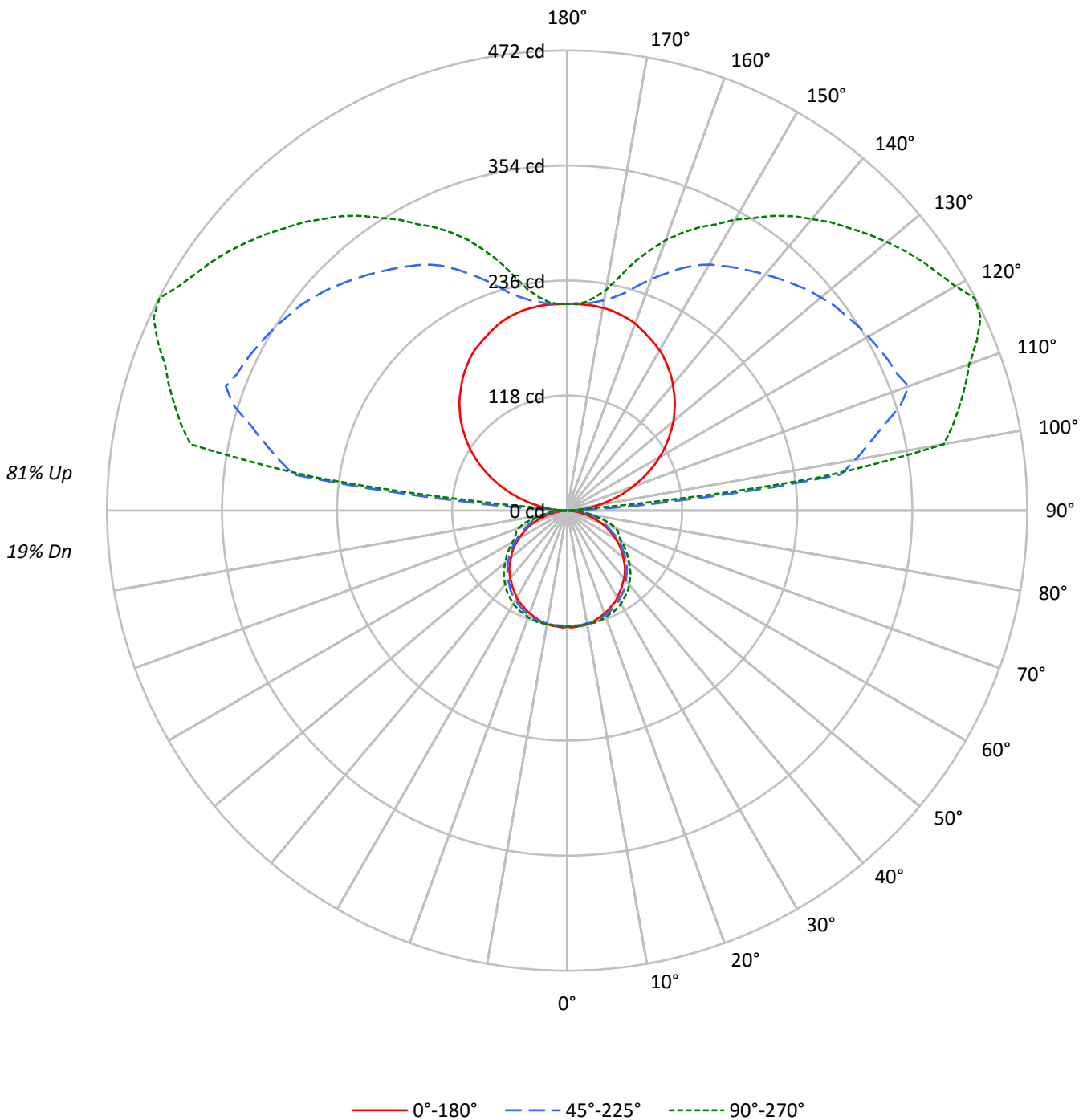
Input Watts (W): 16.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27	19
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	24	23	23	15
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7
7	53	41	33	28	46	36	30	25	28	23	20	19	16	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	962	962	962
5°	966	959	966
10°	970	962	970
15°	967	975	989
20°	963	979	1002
25°	959	983	1015
30°	963	988	1029
35°	957	992	1036
40°	958	986	1042
45°	958	988	1048
50°	943	987	1042
55°	944	982	1044
60°	927	969	1041
65°	894	961	1114
70°	854	980	1251
75°	799	1129	1266
80°	656	1106	1232
85°	574	1223	1389



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.3	0.5
10°-20°	33.0	1.6
20°-30°	51.2	2.5
30°-40°	63.1	3.1
40°-50°	67.3	3.3
50°-60°	62.8	3.0
60°-70°	51.4	2.5
70°-80°	35.4	1.7
80°-90°	13.8	0.7
90°-100°	123.1	6.0
100°-110°	311.9	15.1
110°-120°	323.3	15.6
120°-130°	288.2	13.9
130°-140°	239.8	11.6
140°-150°	182.6	8.8
150°-160°	122.9	5.9
160°-170°	66.8	3.2
170°-180°	20.6	1.0
0°-30°	95.5	4.6
0°-40°	158.6	7.7
0°-60°	288.7	14.0
0°-90°	389.2	18.8
90°-120°	758.4	36.7
90°-150°	1469.0	71.0
90°-180°	1679.0	81.2
0°-180°	2068.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	119	119	119	119	119	
5°	119	119	118	119	119	11
15°	116	117	117	117	118	33
25°	108	109	110	113	114	50
35°	97	98	101	104	105	61
45°	84	85	86	90	92	64
55°	67	68	70	72	74	60
65°	47	49	50	56	58	47
75°	26	27	36	40	41	27
85°	6	11	13	15	15	7
90°	1	1	1	1	1	2
95°	18	136	108	17	17	17
105°	52	216	336	396	417	55
115°	91	222	364	452	468	90
125°	126	228	349	423	445	113
135°	156	235	328	393	410	120
145°	180	230	304	353	369	113
155°	197	219	274	309	320	91
165°	208	214	231	254	263	59
175°	212	212	213	215	215	20
180°	212	212	212	212	212	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	119.2	119.2	119.2	119.2	119.2
2.5°	120.1	120.1	118.3	119.2	118.3
5°	119.2	119.2	118.3	119.2	119.2
7.5°	119.2	119.2	118.3	119.2	118.3
10°	118.3	118.3	117.4	118.3	118.3
12.5°	117.4	117.4	117.4	118.3	118.3
15°	115.7	116.6	116.6	117.4	118.3
17.5°	113.9	114.8	115.7	116.6	117.4
20°	112.1	113.0	113.9	115.7	116.6
22.5°	110.4	111.3	113.0	114.8	114.8
25°	107.7	108.6	110.4	113.0	113.9
27.5°	106.0	106.8	108.6	111.3	112.1
30°	103.3	104.2	106.0	109.5	110.4
32.5°	99.8	101.5	103.3	106.8	107.7
35°	97.1	98.0	100.7	104.2	105.1
37.5°	93.6	94.5	97.1	100.7	102.4
40°	90.9	91.8	93.6	97.1	98.9
42.5°	87.4	88.3	90.1	93.6	95.4
45°	83.9	84.8	86.5	90.1	91.8
47.5°	79.5	81.2	83.0	85.7	87.4
50°	75.1	76.8	78.6	82.1	83.0
52.5°	71.5	72.4	74.2	76.8	78.6
55°	67.1	68.0	69.8	72.4	74.2
57.5°	61.8	63.6	65.3	68.0	69.8
60°	57.4	59.2	60.0	63.6	64.5
62.5°	52.1	53.9	55.6	58.3	60.9
65°	46.8	48.6	50.3	55.6	58.3
67.5°	42.4	43.3	45.0	52.1	56.5
70°	36.2	38.0	41.5	50.3	53.0
72.5°	30.9	32.7	38.0	45.9	47.7
75°	25.6	27.4	36.2	39.7	40.6
77.5°	20.3	22.1	30.9	32.7	32.7
80°	14.1	18.5	23.8	26.5	26.5
82.5°	9.7	15.9	18.5	20.3	20.3
85°	6.2	10.6	13.2	15.0	15.0
87.5°	3.5	7.1	10.6	11.5	11.5
90°	0.9	0.9	0.9	0.9	0.9
92.5°	9.7	28.3	7.9	7.9	7.9
95°	17.7	136.0	107.7	16.8	16.8
97.5°	24.7	165.1	282.6	349.7	261.4
100°	32.7	196.0	300.2	370.9	392.1
102.5°	41.5	210.2	317.0	382.3	405.3
105°	52.1	215.5	335.5	396.5	416.8
107.5°	61.8	218.1	358.5	408.8	428.3
110°	71.5	219.9	372.6	423.0	438.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	81.2	220.7	366.4	441.5	454.7
115°	90.9	222.5	363.8	452.1	468.0
117.5°	100.7	223.4	360.3	441.5	471.5
120°	109.5	225.2	356.7	435.3	460.0
122.5°	118.3	226.0	353.2	429.1	452.1
125°	126.3	227.8	348.8	423.0	445.0
127.5°	134.2	229.6	345.3	415.9	437.1
130°	142.2	232.2	340.0	408.8	428.3
132.5°	149.2	234.0	334.7	400.9	419.4
135°	156.3	234.9	328.5	392.9	409.7
137.5°	162.5	234.9	322.3	384.1	400.9
140°	168.7	234.0	316.1	374.4	390.3
142.5°	174.8	233.1	309.9	363.8	380.6
145°	180.1	230.5	303.8	353.2	369.1
147.5°	185.4	227.8	297.6	341.7	355.8
150°	189.8	224.3	291.4	329.4	344.4
152.5°	193.4	221.6	283.4	318.8	331.1
155°	196.9	219.0	273.7	309.0	320.5
157.5°	200.4	217.2	263.1	297.6	308.2
160°	204.0	216.3	252.5	284.3	294.9
162.5°	206.6	214.6	241.9	269.3	279.0
165°	208.4	213.7	231.3	254.3	263.1
167.5°	210.2	212.8	224.3	237.5	244.6
170°	211.0	211.9	219.0	226.0	229.6
172.5°	211.9	211.9	215.5	219.0	220.7
175°	211.9	211.9	212.8	214.6	214.6
177.5°	211.9	212.8	212.8	212.8	211.9
180°	211.9	211.9	211.9	211.9	211.9

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