

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: P274985

Luminaire Tested: **J3-CL-20L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P274985  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-CL-20L92765-1D-UNV-W2A-W-4 (3500K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1920.5 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

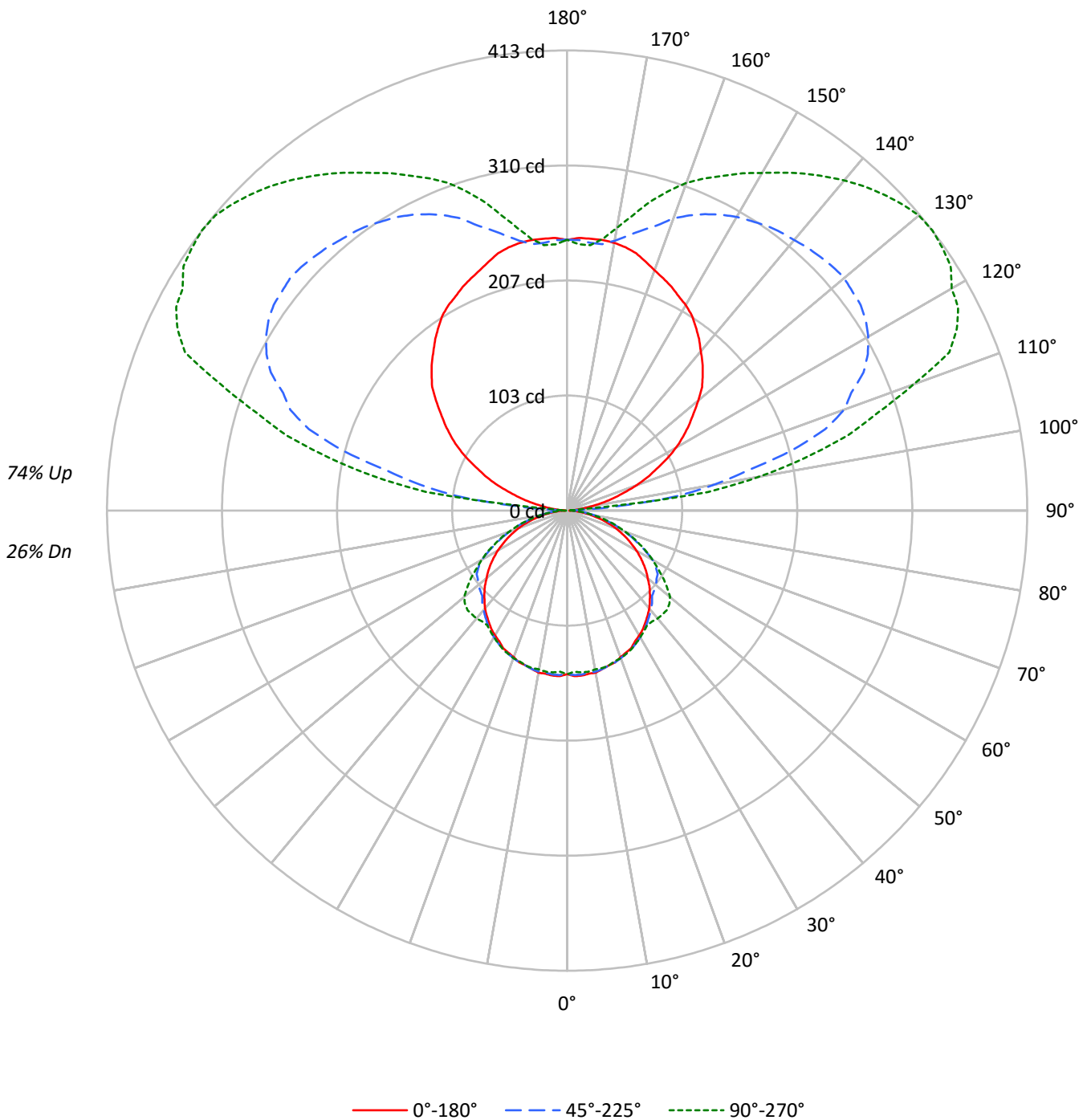
Input Watts (W): 16.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

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

	0°	45°	90°
0°	1185	1185	1185
5°	1205	1197	1182
10°	1211	1203	1187
15°	1203	1203	1203
20°	1203	1210	1210
25°	1212	1220	1220
30°	1205	1223	1223
35°	1207	1226	1236
40°	1209	1229	1332
45°	1199	1232	1443
50°	1184	1306	1513
55°	1177	1395	1478
60°	1161	1429	1429
65°	1133	1356	1373
70°	1102	1284	1308
75°	1029	1213	1245
80°	948	1176	1130
85°	898	1260	1084



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.0	0.7
10°-20°	40.6	2.1
20°-30°	62.8	3.3
30°-40°	77.9	4.1
40°-50°	87.1	4.5
50°-60°	85.2	4.4
60°-70°	67.2	3.5
70°-80°	40.7	2.1
80°-90°	14.5	0.8
90°-100°	49.9	2.6
100°-110°	192.9	10.0
110°-120°	265.1	13.8
120°-130°	268.2	14.0
130°-140°	237.7	12.4
140°-150°	188.0	9.8
150°-160°	131.3	6.8
160°-170°	74.3	3.9
170°-180°	23.3	1.2
0°-30°	117.4	6.1
0°-40°	195.3	10.2
0°-60°	367.5	19.1
0°-90°	489.9	25.5
90°-120°	507.9	26.4
90°-150°	1201.8	62.6
90°-180°	1431.0	74.5
0°-180°	1920.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	147	147	147	147	147	
5°	149	147	148	147	146	14
15°	144	143	144	144	144	41
25°	136	134	137	137	137	62
35°	122	122	124	125	125	77
45°	105	106	108	122	126	81
55°	84	85	99	105	105	75
65°	59	62	71	72	72	58
75°	33	39	39	40	40	35
85°	10	16	14	13	12	10
90°	2	6	5	1	1	2
95°	8	39	47	10	10	10
105°	43	138	209	241	260	45
115°	88	187	294	364	386	88
125°	133	216	322	392	411	119
135°	172	237	322	385	401	133
145°	201	243	312	358	369	126
155°	222	237	294	326	331	102
165°	239	238	260	283	287	67
175°	245	242	241	241	239	23
180°	243	243	243	243	243	



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CATALOG NUMBER: J3-CL-20L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	146.8	146.8	146.8	146.8	146.8
2.5°	148.7	146.8	147.7	146.8	144.8
5°	148.7	146.8	147.7	146.8	145.8
7.5°	147.7	146.8	146.8	145.8	145.8
10°	147.7	145.8	146.8	145.8	144.8
12.5°	145.8	144.8	145.8	144.8	144.8
15°	143.9	142.9	143.9	143.9	143.9
17.5°	142.9	140.9	142.9	142.9	141.9
20°	140.0	139.0	140.9	140.9	140.9
22.5°	138.0	137.0	139.0	139.0	139.0
25°	136.1	134.1	137.0	137.0	137.0
27.5°	132.2	132.2	134.1	135.1	134.1
30°	129.3	128.3	131.2	132.2	131.2
32.5°	126.4	125.4	128.3	129.3	128.3
35°	122.5	122.5	124.4	125.4	125.4
37.5°	118.6	118.6	120.5	121.5	125.4
40°	114.7	114.7	116.6	122.5	126.4
42.5°	109.8	109.8	112.8	121.5	126.4
45°	105.0	105.9	107.9	121.5	126.4
47.5°	100.1	101.1	105.9	120.5	124.4
50°	94.3	96.2	104.0	117.6	120.5
52.5°	89.4	90.4	101.1	112.8	112.8
55°	83.6	84.6	99.1	105.0	105.0
57.5°	77.8	78.7	94.3	96.2	96.2
60°	71.9	72.9	88.5	88.5	88.5
62.5°	65.1	67.1	79.7	80.7	80.7
65°	59.3	62.2	71.0	71.9	71.9
67.5°	52.5	57.3	63.2	64.2	64.2
70°	46.7	52.5	54.4	55.4	55.4
72.5°	39.9	45.7	46.7	47.6	47.6
75°	33.0	38.9	38.9	39.9	39.9
77.5°	26.2	31.1	32.1	32.1	32.1
80°	20.4	23.3	25.3	24.3	24.3
82.5°	14.6	18.5	18.5	18.5	17.5
85°	9.7	15.6	13.6	12.6	11.7
87.5°	5.8	13.6	7.8	6.8	6.8
90°	1.9	5.8	4.9	1.0	1.0
92.5°	3.9	9.7	4.9	3.9	2.9
95°	7.8	38.9	46.7	9.7	9.7
97.5°	14.6	65.1	100.1	118.6	127.3
100°	22.4	97.2	134.1	164.3	175.0
102.5°	32.1	117.6	165.2	203.1	218.7
105°	42.8	138.0	209.0	241.1	260.5
107.5°	53.5	153.6	243.0	279.0	292.6
110°	66.1	166.2	264.4	326.6	330.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	77.8	175.9	276.0	349.9	371.3
115°	88.5	186.6	293.5	363.5	385.9
117.5°	101.1	194.4	304.2	371.3	395.6
120°	112.8	201.2	312.0	381.0	398.5
122.5°	123.4	209.0	317.8	388.8	408.2
125°	133.2	215.8	321.7	391.7	411.1
127.5°	142.9	221.6	322.7	392.7	413.1
130°	153.6	227.4	324.6	391.7	412.1
132.5°	164.3	233.3	323.7	388.8	407.3
135°	172.0	237.2	321.7	384.9	401.4
137.5°	179.8	240.1	319.8	379.1	394.6
140°	186.6	242.0	316.9	372.3	386.8
142.5°	194.4	243.0	314.9	365.5	378.1
145°	201.2	243.0	312.0	357.7	369.4
147.5°	208.0	242.0	308.1	349.9	359.6
150°	212.9	240.1	304.2	342.1	349.9
152.5°	216.8	238.1	299.4	333.4	341.2
155°	221.6	237.2	293.5	325.6	331.4
157.5°	225.5	237.2	286.7	316.9	322.7
160°	229.4	237.2	279.0	308.1	313.0
162.5°	234.2	237.2	268.3	295.5	300.3
165°	239.1	238.1	260.5	282.8	286.7
167.5°	242.0	238.1	252.7	267.3	271.2
170°	244.0	240.1	245.9	256.6	257.6
172.5°	244.9	242.0	241.1	245.9	245.9
175°	244.9	242.0	241.1	241.1	239.1
177.5°	244.9	243.0	243.0	242.0	239.1
180°	243.0	243.0	243.0	243.0	243.0

(END OF REPORT)