

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: P274983

Luminaire Tested: **J3-CL-20L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P274983  
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 (2700K)  
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 2700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1759.0 lumens  
Efficiency: N/A  
Efficacy: 108.6 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

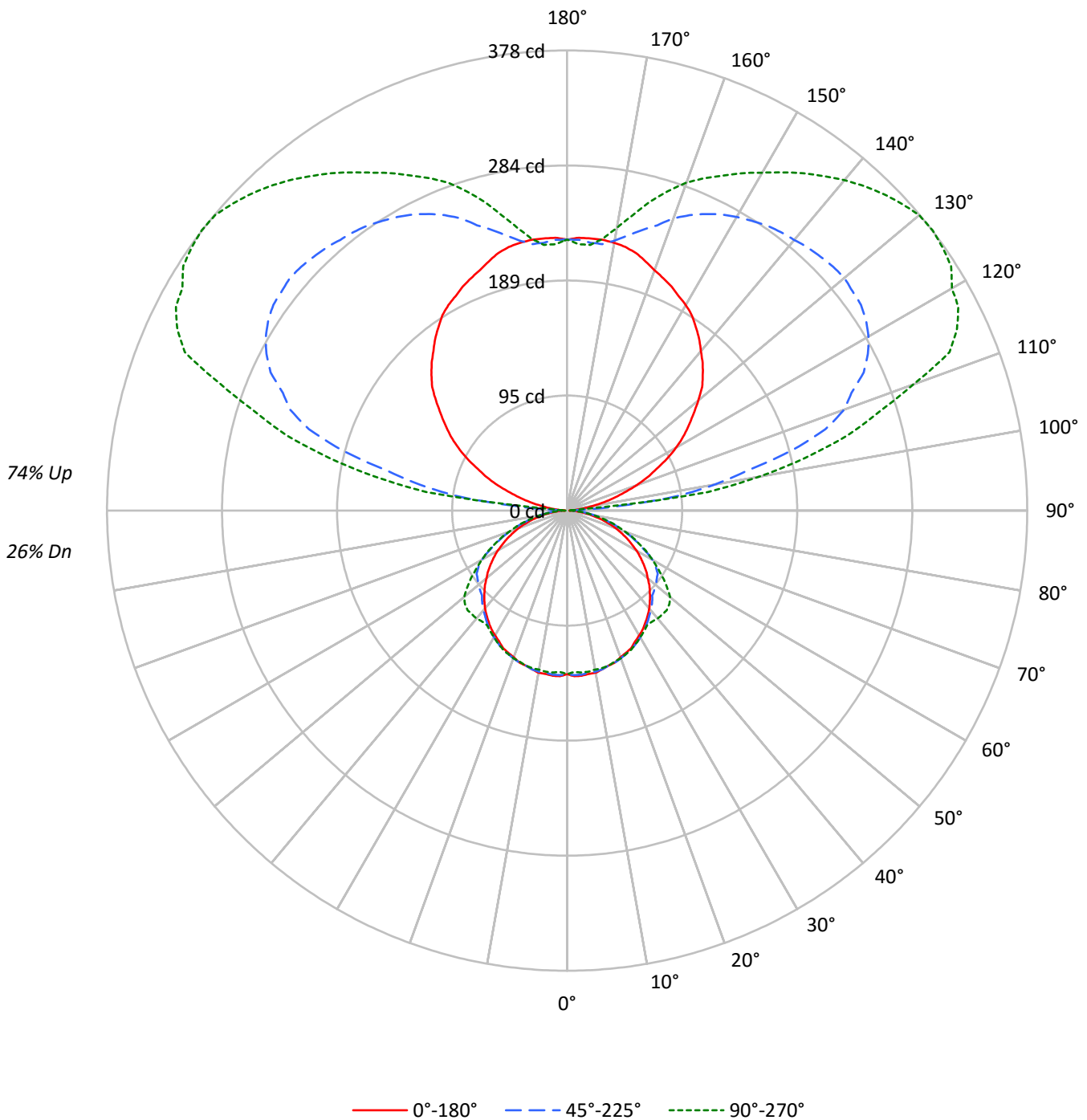
Input Watts (W): 16.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1085	1085	1085
5°	1104	1096	1082
10°	1109	1102	1087
15°	1102	1102	1102
20°	1101	1109	1109
25°	1110	1118	1118
30°	1104	1120	1120
35°	1106	1123	1131
40°	1107	1126	1219
45°	1097	1128	1321
50°	1085	1197	1387
55°	1078	1278	1353
60°	1064	1308	1308
65°	1037	1242	1259
70°	1008	1178	1197
75°	945	1110	1138
80°	869	1074	1037
85°	824	1158	991



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.8	0.7
10°-20°	37.2	2.1
20°-30°	57.5	3.3
30°-40°	71.3	4.1
40°-50°	79.8	4.5
50°-60°	78.0	4.4
60°-70°	61.5	3.5
70°-80°	37.2	2.1
80°-90°	13.3	0.8
90°-100°	45.7	2.6
100°-110°	176.7	10.0
110°-120°	242.8	13.8
120°-130°	245.7	14.0
130°-140°	217.7	12.4
140°-150°	172.2	9.8
150°-160°	120.2	6.8
160°-170°	68.0	3.9
170°-180°	21.3	1.2
0°-30°	107.5	6.1
0°-40°	178.8	10.2
0°-60°	336.6	19.1
0°-90°	448.6	25.5
90°-120°	465.2	26.4
90°-150°	1100.8	62.6
90°-180°	1310.0	74.5
0°-180°	1759.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	134	134	134	134	134	
5°	136	134	135	134	134	13
15°	132	131	132	132	132	37
25°	125	123	126	126	126	57
35°	112	112	114	115	115	70
45°	96	97	99	111	116	74
55°	77	77	91	96	96	68
65°	54	57	65	66	66	54
75°	30	36	36	36	36	32
85°	9	14	12	12	11	9
90°	2	5	4	1	1	2
95°	7	36	43	9	9	9
105°	39	126	191	221	239	42
115°	81	171	269	333	353	81
125°	122	198	295	359	377	109
135°	158	217	295	352	368	121
145°	184	223	286	328	338	115
155°	203	217	269	298	304	94
165°	219	218	239	259	263	62
175°	224	222	221	221	219	21
180°	223	223	223	223	223	



TEST NUMBER: P274983

CATALOG NUMBER: J3-CL-20L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	134.4	134.4	134.4	134.4	134.4
2.5°	136.2	134.4	135.3	134.4	132.6
5°	136.2	134.4	135.3	134.4	133.5
7.5°	135.3	134.4	134.4	133.5	133.5
10°	135.3	133.5	134.4	133.5	132.6
12.5°	133.5	132.6	133.5	132.6	132.6
15°	131.8	130.9	131.8	131.8	131.8
17.5°	130.9	129.1	130.9	130.9	130.0
20°	128.2	127.3	129.1	129.1	129.1
22.5°	126.4	125.5	127.3	127.3	127.3
25°	124.6	122.9	125.5	125.5	125.5
27.5°	121.1	121.1	122.9	123.7	122.9
30°	118.4	117.5	120.2	121.1	120.2
32.5°	115.7	114.8	117.5	118.4	117.5
35°	112.2	112.2	113.9	114.8	114.8
37.5°	108.6	108.6	110.4	111.3	114.8
40°	105.0	105.0	106.8	112.2	115.7
42.5°	100.6	100.6	103.3	111.3	115.7
45°	96.1	97.0	98.8	111.3	115.7
47.5°	91.7	92.6	97.0	110.4	113.9
50°	86.4	88.1	95.3	107.7	110.4
52.5°	81.9	82.8	92.6	103.3	103.3
55°	76.6	77.4	90.8	96.1	96.1
57.5°	71.2	72.1	86.4	88.1	88.1
60°	65.9	66.8	81.0	81.0	81.0
62.5°	59.6	61.4	73.0	73.9	73.9
65°	54.3	57.0	65.0	65.9	65.9
67.5°	48.1	52.5	57.9	58.8	58.8
70°	42.7	48.1	49.9	50.7	50.7
72.5°	36.5	41.8	42.7	43.6	43.6
75°	30.3	35.6	35.6	36.5	36.5
77.5°	24.0	28.5	29.4	29.4	29.4
80°	18.7	21.4	23.1	22.3	22.3
82.5°	13.4	16.9	16.9	16.9	16.0
85°	8.9	14.2	12.5	11.6	10.7
87.5°	5.3	12.5	7.1	6.2	6.2
90°	1.8	5.3	4.5	0.9	0.9
92.5°	3.6	8.9	4.5	3.6	2.7
95°	7.1	35.6	42.7	8.9	8.9
97.5°	13.4	59.6	91.7	108.6	116.6
100°	20.5	89.0	122.9	150.4	160.2
102.5°	29.4	107.7	151.3	186.1	200.3
105°	39.2	126.4	191.4	220.8	238.6
107.5°	49.0	140.7	222.6	255.5	268.0
110°	60.5	152.2	242.1	299.1	302.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	71.2	161.1	252.8	320.5	340.1
115°	81.0	170.9	268.8	332.9	353.4
117.5°	92.6	178.0	278.6	340.1	362.3
120°	103.3	184.3	285.8	349.0	365.0
122.5°	113.1	191.4	291.1	356.1	373.9
125°	122.0	197.6	294.7	358.8	376.6
127.5°	130.9	203.0	295.6	359.7	378.3
130°	140.7	208.3	297.3	358.8	377.5
132.5°	150.4	213.7	296.4	356.1	373.0
135°	157.6	217.2	294.7	352.5	367.7
137.5°	164.7	219.9	292.9	347.2	361.4
140°	170.9	221.7	290.2	341.0	354.3
142.5°	178.0	222.6	288.4	334.7	346.3
145°	184.3	222.6	285.8	327.6	338.3
147.5°	190.5	221.7	282.2	320.5	329.4
150°	195.0	219.9	278.6	313.4	320.5
152.5°	198.5	218.1	274.2	305.3	312.5
155°	203.0	217.2	268.8	298.2	303.6
157.5°	206.5	217.2	262.6	290.2	295.6
160°	210.1	217.2	255.5	282.2	286.7
162.5°	214.5	217.2	245.7	270.6	275.1
165°	219.0	218.1	238.6	259.1	262.6
167.5°	221.7	218.1	231.5	244.8	248.4
170°	223.4	219.9	225.2	235.0	235.9
172.5°	224.3	221.7	220.8	225.2	225.2
175°	224.3	221.7	220.8	220.8	219.0
177.5°	224.3	222.6	222.6	221.7	219.0
180°	222.6	222.6	222.6	222.6	222.6

(END OF REPORT)