

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: P275003

Luminaire Tested: **J3-CL-30L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275003  
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-30L92765-1D-UNV-W2A-W-4 (4500K)  
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 4500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2614.0 lumens  
Efficiency: N/A  
Efficacy: 123.9 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

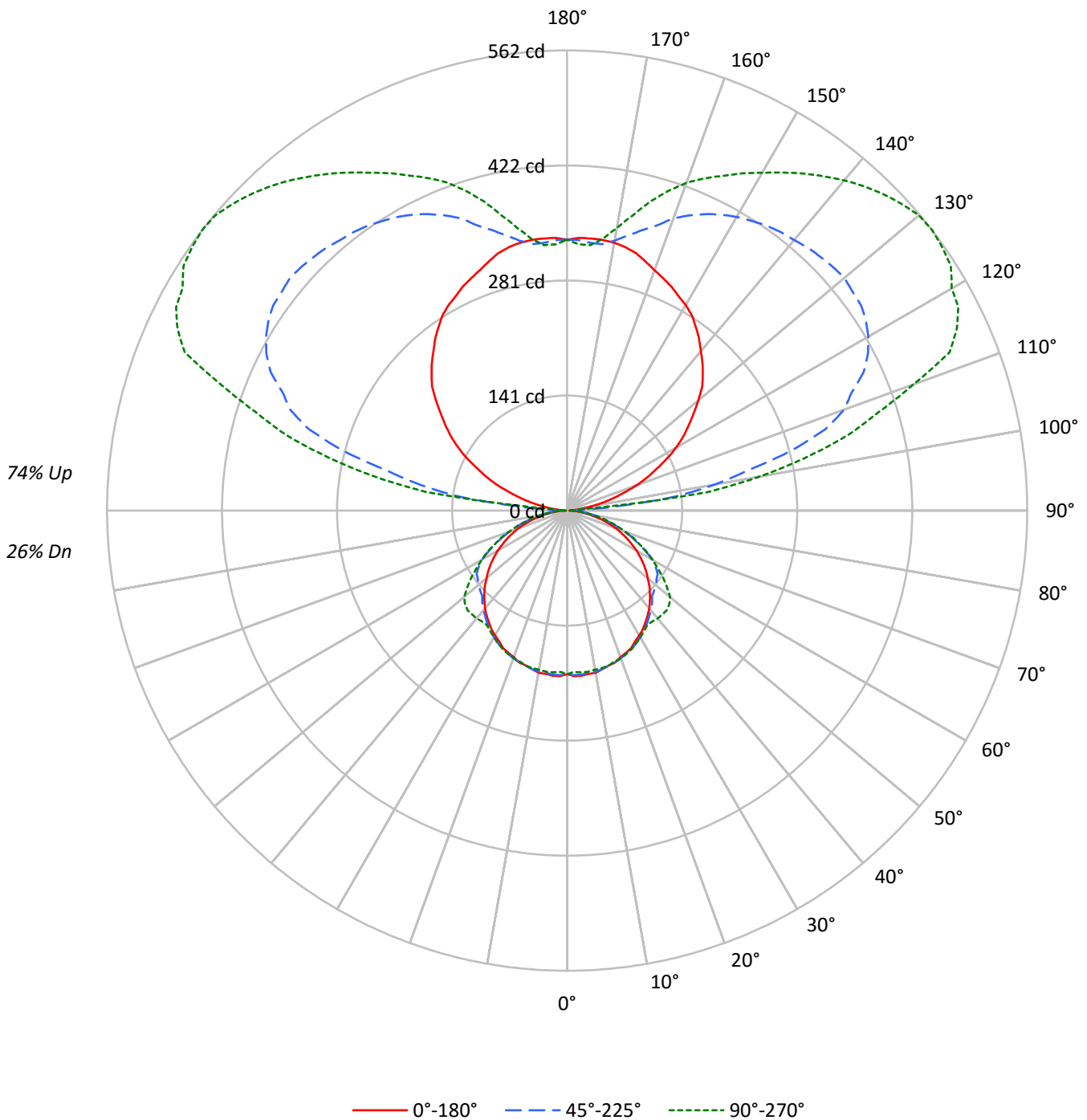
Input Watts (W): 21.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1613	1613	1613
5°	1640	1630	1608
10°	1649	1638	1616
15°	1636	1636	1636
20°	1637	1648	1648
25°	1650	1661	1661
30°	1641	1665	1665
35°	1643	1668	1682
40°	1645	1674	1813
45°	1631	1676	1964
50°	1611	1778	2060
55°	1602	1899	2011
60°	1581	1944	1944
65°	1542	1845	1870
70°	1499	1749	1780
75°	1404	1650	1691
80°	1292	1599	1539
85°	1223	1714	1473



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.1	0.7
10°-20°	55.3	2.1
20°-30°	85.4	3.3
30°-40°	106.0	4.1
40°-50°	118.6	4.5
50°-60°	115.9	4.4
60°-70°	91.4	3.5
70°-80°	55.3	2.1
80°-90°	19.7	0.8
90°-100°	67.9	2.6
100°-110°	262.6	10.0
110°-120°	360.8	13.8
120°-130°	365.1	14.0
130°-140°	323.5	12.4
140°-150°	255.9	9.8
150°-160°	178.7	6.8
160°-170°	101.1	3.9
170°-180°	31.7	1.2
0°-30°	159.8	6.1
0°-40°	265.8	10.2
0°-60°	500.3	19.1
0°-90°	666.7	25.5
90°-120°	691.3	26.4
90°-150°	1635.8	62.6
90°-180°	1947.0	74.5
0°-180°	2614.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	200	200	200	200	200	
5°	202	200	201	200	198	19
15°	196	194	196	196	196	55
25°	185	183	186	186	186	85
35°	167	167	169	171	171	104
45°	143	144	147	165	172	110
55°	114	115	135	143	143	102
65°	81	85	97	98	98	80
75°	45	53	53	54	54	48
85°	13	21	18	17	16	14
90°	3	8	7	1	1	3
95°	11	53	64	13	13	13
105°	58	188	284	328	355	62
115°	120	254	400	495	525	120
125°	181	294	438	533	560	162
135°	234	323	438	524	546	180
145°	274	331	425	487	503	171
155°	302	323	400	443	451	139
165°	325	324	355	385	390	92
175°	333	329	328	328	325	32
180°	331	331	331	331	331	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	199.8	199.8	199.8	199.8	199.8
2.5°	202.4	199.8	201.1	199.8	197.1
5°	202.4	199.8	201.1	199.8	198.4
7.5°	201.1	199.8	199.8	198.4	198.4
10°	201.1	198.4	199.8	198.4	197.1
12.5°	198.4	197.1	198.4	197.1	197.1
15°	195.8	194.5	195.8	195.8	195.8
17.5°	194.5	191.8	194.5	194.5	193.2
20°	190.5	189.2	191.8	191.8	191.8
22.5°	187.9	186.5	189.2	189.2	189.2
25°	185.2	182.6	186.5	186.5	186.5
27.5°	179.9	179.9	182.6	183.9	182.6
30°	176.0	174.6	178.6	179.9	178.6
32.5°	172.0	170.7	174.6	176.0	174.6
35°	166.7	166.7	169.3	170.7	170.7
37.5°	161.4	161.4	164.0	165.4	170.7
40°	156.1	156.1	158.8	166.7	172.0
42.5°	149.5	149.5	153.5	165.4	172.0
45°	142.9	144.2	146.8	165.4	172.0
47.5°	136.3	137.6	144.2	164.0	169.3
50°	128.3	131.0	141.6	160.1	164.0
52.5°	121.7	123.0	137.6	153.5	153.5
55°	113.8	115.1	134.9	142.9	142.9
57.5°	105.8	107.2	128.3	131.0	131.0
60°	97.9	99.2	120.4	120.4	120.4
62.5°	88.6	91.3	108.5	109.8	109.8
65°	80.7	84.7	96.6	97.9	97.9
67.5°	71.4	78.1	86.0	87.3	87.3
70°	63.5	71.4	74.1	75.4	75.4
72.5°	54.2	62.2	63.5	64.8	64.8
75°	45.0	52.9	52.9	54.2	54.2
77.5°	35.7	42.3	43.7	43.7	43.7
80°	27.8	31.8	34.4	33.1	33.1
82.5°	19.8	25.1	25.1	25.1	23.8
85°	13.2	21.2	18.5	17.2	15.9
87.5°	7.9	18.5	10.6	9.3	9.3
90°	2.6	7.9	6.6	1.3	1.3
92.5°	5.3	13.2	6.6	5.3	4.0
95°	10.6	52.9	63.5	13.2	13.2
97.5°	19.8	88.6	136.3	161.4	173.3
100°	30.4	132.3	182.6	223.6	238.1
102.5°	43.7	160.1	224.9	276.5	297.7
105°	58.2	187.9	284.4	328.1	354.6
107.5°	72.8	209.0	330.7	379.7	398.2
110°	90.0	226.2	359.8	444.5	449.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	105.8	239.5	375.7	476.3	505.4
115°	120.4	254.0	399.5	494.8	525.2
117.5°	137.6	264.6	414.1	505.4	538.4
120°	153.5	273.9	424.7	518.6	542.4
122.5°	168.0	284.4	432.6	529.2	555.6
125°	181.2	293.7	437.9	533.2	559.6
127.5°	194.5	301.6	439.2	534.5	562.3
130°	209.0	309.6	441.9	533.2	560.9
132.5°	223.6	317.5	440.5	529.2	554.3
135°	234.2	322.8	437.9	523.9	546.4
137.5°	244.7	326.8	435.3	516.0	537.1
140°	254.0	329.4	431.3	506.7	526.5
142.5°	264.6	330.7	428.6	497.4	514.6
145°	273.9	330.7	424.7	486.8	502.7
147.5°	283.1	329.4	419.4	476.3	489.5
150°	289.7	326.8	414.1	465.7	476.3
152.5°	295.0	324.1	407.5	453.8	464.4
155°	301.6	322.8	399.5	443.2	451.1
157.5°	306.9	322.8	390.3	431.3	439.2
160°	312.2	322.8	379.7	419.4	426.0
162.5°	318.8	322.8	365.1	402.2	408.8
165°	325.4	324.1	354.6	385.0	390.3
167.5°	329.4	324.1	344.0	363.8	369.1
170°	332.1	326.8	334.7	349.3	350.6
172.5°	333.4	329.4	328.1	334.7	334.7
175°	333.4	329.4	328.1	328.1	325.4
177.5°	333.4	330.7	330.7	329.4	325.4
180°	330.7	330.7	330.7	330.7	330.7

(END OF REPORT)