

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: P275214

Luminaire Tested: **J3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275214  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)  
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 6500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3808.2 lumens  
Efficiency: N/A  
Efficacy: 130.4 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

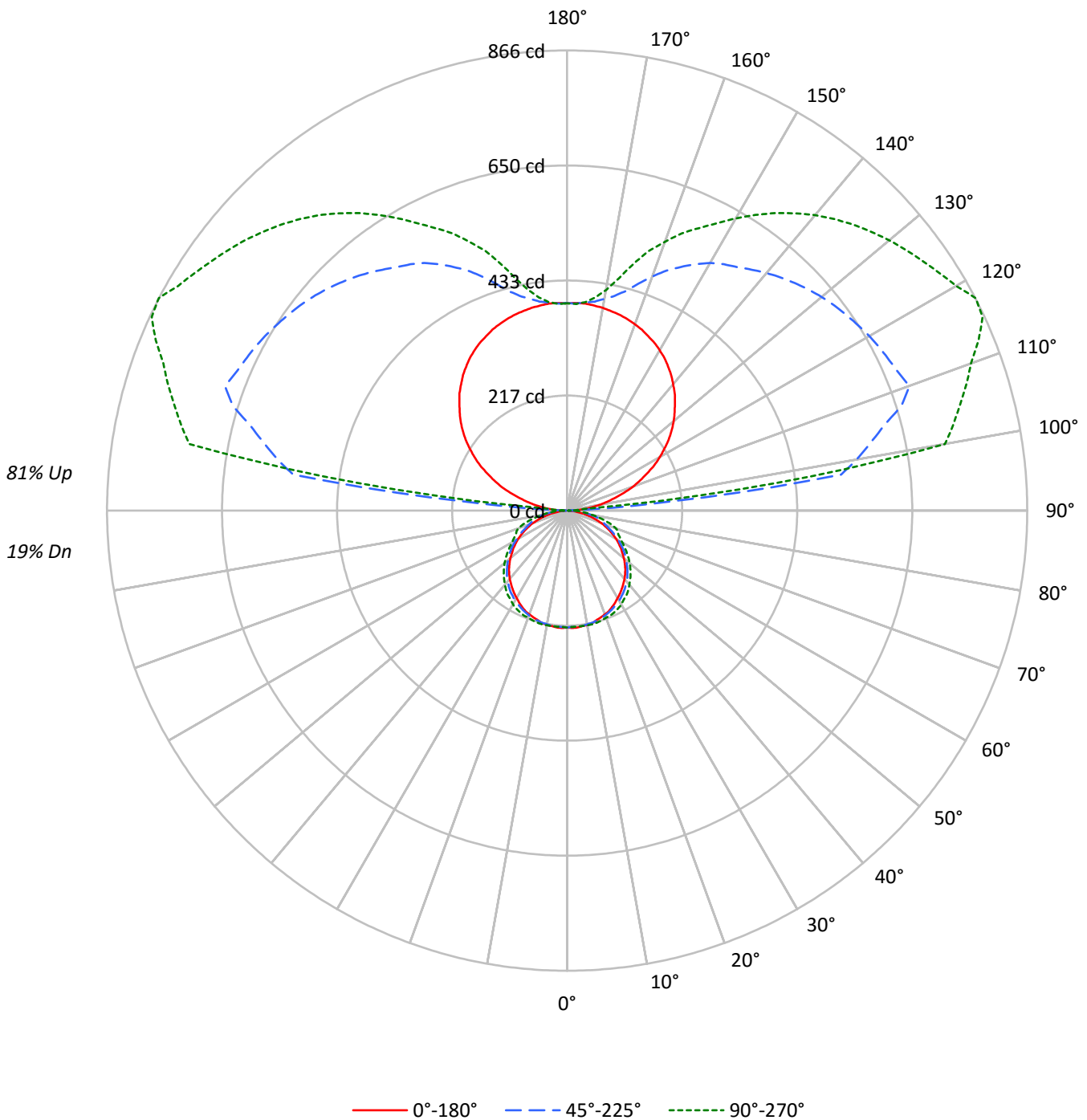
Input Watts (W): 29.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P275214

CATALOG NUMBER: J3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)

### Luminous Intensity Polar Plot





TEST NUMBER: P275214

CATALOG NUMBER: J3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)

**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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19				
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	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	20	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°	1778	1778	1778
5°	1792	1776	1776
10°	1790	1781	1797
15°	1784	1793	1824
20°	1785	1802	1843
25°	1783	1809	1877
30°	1769	1822	1902
35°	1768	1833	1917
40°	1770	1831	1920
45°	1766	1831	1928
50°	1752	1824	1930
55°	1737	1817	1924
60°	1716	1792	1931
65°	1668	1777	2031
70°	1612	1792	2306
75°	1478	2043	2339
80°	1278	2073	2250
85°	963	2288	2547



TEST NUMBER: P275214

CATALOG NUMBER: J3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.9	0.5
10°-20°	60.9	1.6
20°-30°	94.3	2.5
30°-40°	116.6	3.1
40°-50°	124.4	3.3
50°-60°	115.9	3.0
60°-70°	94.6	2.5
70°-80°	65.1	1.7
80°-90°	25.5	0.7
90°-100°	221.7	5.8
100°-110°	574.7	15.1
110°-120°	596.2	15.7
120°-130°	530.7	13.9
130°-140°	442.1	11.6
140°-150°	336.7	8.8
150°-160°	226.8	6.0
160°-170°	123.1	3.2
170°-180°	37.9	1.0
0°-30°	176.1	4.6
0°-40°	292.7	7.7
0°-60°	533.0	14.0
0°-90°	718.3	18.9
90°-120°	1392.6	36.6
90°-150°	2702.2	71.0
90°-180°	3090.0	81.1
0°-180°	3808.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	220	220	220	220	220	
5°	221	221	219	219	219	21
15°	214	214	214	217	218	60
25°	200	200	203	209	211	92
35°	179	181	186	192	194	112
45°	155	157	160	166	169	119
55°	123	126	129	133	137	110
65°	87	89	93	102	106	86
75°	47	50	66	73	75	50
85°	10	20	25	28	28	12
90°	2	2	2	2	2	4
95°	32	250	193	31	30	32
105°	94	398	617	731	765	100
115°	166	411	669	835	863	165
125°	234	420	642	778	818	208
135°	287	432	606	724	761	222
145°	331	424	559	651	683	207
155°	362	405	506	570	586	167
165°	382	394	428	468	480	108
175°	391	393	393	395	394	37
180°	390	390	390	390	390	



TEST NUMBER: P275214

CATALOG NUMBER: J3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	220.2	220.2	220.2	220.2	220.2
2.5°	221.1	221.1	219.2	219.2	219.2
5°	221.1	221.1	219.2	219.2	219.2
7.5°	219.2	220.2	219.2	219.2	219.2
10°	218.3	218.3	217.3	218.3	219.2
12.5°	217.3	217.3	216.4	218.3	219.2
15°	213.5	214.5	214.5	217.3	218.3
17.5°	210.7	211.6	212.6	215.4	216.4
20°	207.8	207.8	209.7	213.5	214.5
22.5°	205.0	205.0	206.9	211.6	213.5
25°	200.2	200.2	203.1	208.8	210.7
27.5°	195.5	196.4	199.3	205.0	207.8
30°	189.8	191.7	195.5	201.2	204.0
32.5°	185.1	187.0	190.7	196.4	198.3
35°	179.4	181.3	186.0	191.7	194.5
37.5°	173.7	175.6	180.3	186.0	188.9
40°	168.0	169.9	173.7	180.3	182.2
42.5°	161.3	163.2	168.0	173.7	175.6
45°	154.7	156.6	160.4	166.1	168.9
47.5°	147.1	149.9	152.8	158.5	161.3
50°	139.5	142.3	145.2	150.9	153.7
52.5°	131.0	134.8	137.6	142.3	145.2
55°	123.4	126.2	129.1	132.9	136.7
57.5°	114.8	117.7	120.5	125.3	128.1
60°	106.3	108.2	111.0	115.8	119.6
62.5°	96.8	99.6	101.5	107.2	112.9
65°	87.3	89.2	93.0	101.5	106.3
67.5°	77.8	79.7	83.5	95.8	103.4
70°	68.3	70.2	75.9	93.0	97.7
72.5°	56.9	59.8	69.3	85.4	87.3
75°	47.4	50.3	65.5	73.1	75.0
77.5°	37.0	40.8	56.0	60.7	61.7
80°	27.5	34.2	44.6	48.4	48.4
82.5°	18.0	28.5	34.2	38.0	38.0
85°	10.4	19.9	24.7	28.5	27.5
87.5°	6.6	13.3	19.0	21.8	20.9
90°	1.9	1.9	1.9	1.9	1.9
92.5°	18.0	50.3	15.2	14.2	14.2
95°	32.3	250.5	192.6	31.3	30.4
97.5°	45.6	305.6	520.1	614.0	398.6
100°	61.7	363.5	553.3	684.2	722.2
102.5°	76.9	388.1	583.6	703.2	744.0
105°	94.0	397.6	616.8	730.7	764.9
107.5°	112.9	403.3	660.5	753.5	787.7
110°	131.9	406.2	685.2	783.9	808.5



TEST NUMBER: P275214

CATALOG NUMBER: J3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	149.0	408.1	675.7	815.2	838.0
115°	166.1	410.9	669.0	835.1	862.6
117.5°	185.1	412.8	663.4	816.1	866.4
120°	201.2	415.7	656.7	802.9	845.6
122.5°	217.3	418.5	649.1	790.5	831.3
125°	233.5	420.4	641.5	778.2	818.0
127.5°	247.7	422.3	633.9	764.9	804.8
130°	261.9	428.0	625.4	752.6	791.5
132.5°	274.3	431.8	615.9	737.4	776.3
135°	286.6	431.8	605.5	724.1	761.1
137.5°	299.9	431.8	595.0	707.0	744.0
140°	310.3	429.9	583.6	689.9	726.0
142.5°	321.7	428.0	571.3	671.9	705.1
145°	331.2	424.2	559.0	651.0	683.3
147.5°	340.7	419.5	549.5	630.1	659.6
150°	348.3	414.7	538.1	609.3	634.9
152.5°	355.9	409.0	522.9	589.3	609.3
155°	361.6	405.2	505.8	570.3	586.5
157.5°	368.2	402.4	488.7	548.5	564.7
160°	373.0	398.6	468.8	523.8	538.1
162.5°	377.7	395.7	447.9	497.3	512.5
165°	381.5	393.8	428.0	467.9	480.2
167.5°	384.3	392.9	413.8	438.4	447.0
170°	387.2	391.9	404.3	418.5	421.4
172.5°	389.1	391.9	396.7	403.3	404.3
175°	391.0	392.9	392.9	394.8	393.8
177.5°	391.0	391.9	390.0	391.0	389.1
180°	390.0	390.0	390.0	390.0	390.0

(END OF REPORT)