

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: P253582

Luminaire Tested: **J3-UL-40L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253582  
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-40L93050-1D-UNV-W2A-W-4 (3000K)  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.  
3000K-5000K CCT VividTune LIGHT ENGINE.  
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3123.3 lumens  
Efficiency: N/A  
Efficacy: 109.2 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

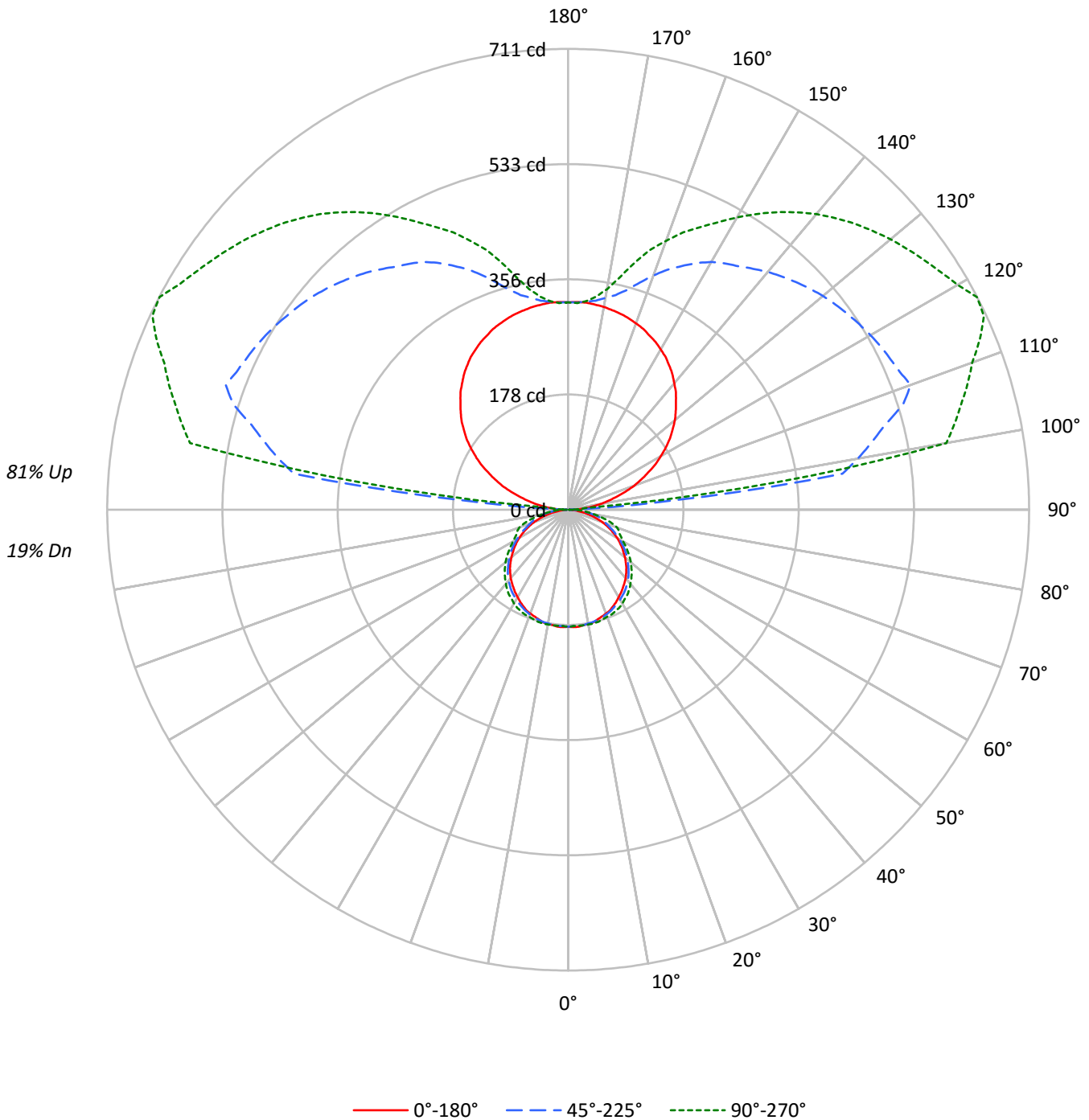
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1458	1458	1458
5°	1469	1457	1457
10°	1467	1461	1474
15°	1463	1470	1496
20°	1465	1478	1511
25°	1463	1484	1539
30°	1451	1494	1560
35°	1450	1504	1573
40°	1452	1501	1574
45°	1449	1501	1581
50°	1437	1496	1584
55°	1424	1491	1578
60°	1408	1471	1584
65°	1368	1457	1666
70°	1322	1471	1893
75°	1213	1675	1918
80°	1051	1702	1846
85°	797	1871	2093



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.2	0.5
10°-20°	49.9	1.6
20°-30°	77.3	2.5
30°-40°	95.6	3.1
40°-50°	102.0	3.3
50°-60°	95.1	3.0
60°-70°	77.6	2.5
70°-80°	53.4	1.7
80°-90°	20.9	0.7
90°-100°	181.9	5.8
100°-110°	471.3	15.1
110°-120°	489.0	15.7
120°-130°	435.2	13.9
130°-140°	362.6	11.6
140°-150°	276.1	8.8
150°-160°	186.0	6.0
160°-170°	101.0	3.2
170°-180°	31.1	1.0
0°-30°	144.4	4.6
0°-40°	240.1	7.7
0°-60°	437.2	14.0
0°-90°	589.1	18.9
90°-120°	1142.2	36.6
90°-150°	2216.2	71.0
90°-180°	2534.0	81.1
0°-180°	3123.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	181	181	181	181	181	
5°	181	181	180	180	180	17
15°	175	176	176	178	179	50
25°	164	164	167	171	173	76
35°	147	149	153	157	160	92
45°	127	128	132	136	138	98
55°	101	104	106	109	112	90
65°	72	73	76	83	87	71
75°	39	41	54	60	62	41
85°	9	16	20	23	23	10
90°	2	2	2	2	2	3
95°	26	206	158	26	25	26
105°	77	326	506	599	627	82
115°	136	337	549	685	708	135
125°	192	345	526	638	671	171
135°	235	354	497	594	624	182
145°	272	348	458	534	560	170
155°	296	332	415	468	481	137
165°	313	323	351	384	394	88
175°	321	322	322	324	323	30
180°	320	320	320	320	320	



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CATALOG NUMBER: J3-UL-40L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	180.6	180.6	180.6	180.6	180.6
2.5°	181.3	181.3	179.8	179.8	179.8
5°	181.3	181.3	179.8	179.8	179.8
7.5°	179.8	180.6	179.8	179.8	179.8
10°	179.0	179.0	178.2	179.0	179.8
12.5°	178.2	178.2	177.5	179.0	179.8
15°	175.1	175.9	175.9	178.2	179.0
17.5°	172.8	173.6	174.3	176.7	177.5
20°	170.5	170.5	172.0	175.1	175.9
22.5°	168.1	168.1	169.7	173.6	175.1
25°	164.2	164.2	166.6	171.2	172.8
27.5°	160.3	161.1	163.4	168.1	170.5
30°	155.7	157.2	160.3	165.0	167.3
32.5°	151.8	153.3	156.4	161.1	162.7
35°	147.1	148.7	152.6	157.2	159.6
37.5°	142.4	144.0	147.9	152.6	154.9
40°	137.8	139.3	142.4	147.9	149.4
42.5°	132.3	133.9	137.8	142.4	144.0
45°	126.9	128.4	131.5	136.2	138.5
47.5°	120.6	123.0	125.3	130.0	132.3
50°	114.4	116.7	119.1	123.8	126.1
52.5°	107.4	110.5	112.9	116.7	119.1
55°	101.2	103.5	105.9	109.0	112.1
57.5°	94.2	96.5	98.8	102.7	105.1
60°	87.2	88.7	91.1	95.0	98.1
62.5°	79.4	81.7	83.3	88.0	92.6
65°	71.6	73.2	76.3	83.3	87.2
67.5°	63.8	65.4	68.5	78.6	84.8
70°	56.0	57.6	62.3	76.3	80.2
72.5°	46.7	49.0	56.8	70.0	71.6
75°	38.9	41.3	53.7	59.9	61.5
77.5°	30.4	33.5	45.9	49.8	50.6
80°	22.6	28.0	36.6	39.7	39.7
82.5°	14.8	23.3	28.0	31.1	31.1
85°	8.6	16.3	20.2	23.3	22.6
87.5°	5.4	10.9	15.6	17.9	17.1
90°	1.6	1.6	1.6	1.6	1.6
92.5°	14.8	41.3	12.5	11.7	11.7
95°	26.5	205.5	158.0	25.7	24.9
97.5°	37.4	250.6	426.5	503.6	326.9
100°	50.6	298.1	453.8	561.2	592.3
102.5°	63.0	318.3	478.7	576.7	610.2
105°	77.1	326.1	505.9	599.3	627.3
107.5°	92.6	330.8	541.7	618.0	646.0
110°	108.2	333.1	561.9	642.9	663.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	122.2	334.7	554.2	668.6	687.3
115°	136.2	337.0	548.7	684.9	707.5
117.5°	151.8	338.6	544.0	669.4	710.6
120°	165.0	340.9	538.6	658.5	693.5
122.5°	178.2	343.2	532.4	648.3	681.8
125°	191.5	344.8	526.1	638.2	670.9
127.5°	203.1	346.4	519.9	627.3	660.0
130°	214.8	351.0	512.9	617.2	649.1
132.5°	224.9	354.1	505.1	604.8	636.7
135°	235.1	354.1	496.6	593.9	624.2
137.5°	245.9	354.1	488.0	579.8	610.2
140°	254.5	352.6	478.7	565.8	595.4
142.5°	263.9	351.0	468.5	551.1	578.3
145°	271.6	347.9	458.4	533.9	560.4
147.5°	279.4	344.0	450.6	516.8	540.9
150°	285.6	340.1	441.3	499.7	520.7
152.5°	291.9	335.5	428.9	483.3	499.7
155°	296.5	332.3	414.8	467.8	481.0
157.5°	302.0	330.0	400.8	449.9	463.1
160°	305.9	326.9	384.5	429.6	441.3
162.5°	309.8	324.6	367.4	407.8	420.3
165°	312.9	323.0	351.0	383.7	393.8
167.5°	315.2	322.2	339.3	359.6	366.6
170°	317.6	321.4	331.6	343.2	345.6
172.5°	319.1	321.4	325.3	330.8	331.6
175°	320.7	322.2	322.2	323.8	323.0
177.5°	320.7	321.4	319.9	320.7	319.1
180°	319.9	319.9	319.9	319.9	319.9

(END OF REPORT)