

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: P253611

Luminaire Tested: **J3-UL-80L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253611  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-80L93050-1D-UNV-W2A-W-4 (4000K)  
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 4000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7333.1 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.43  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

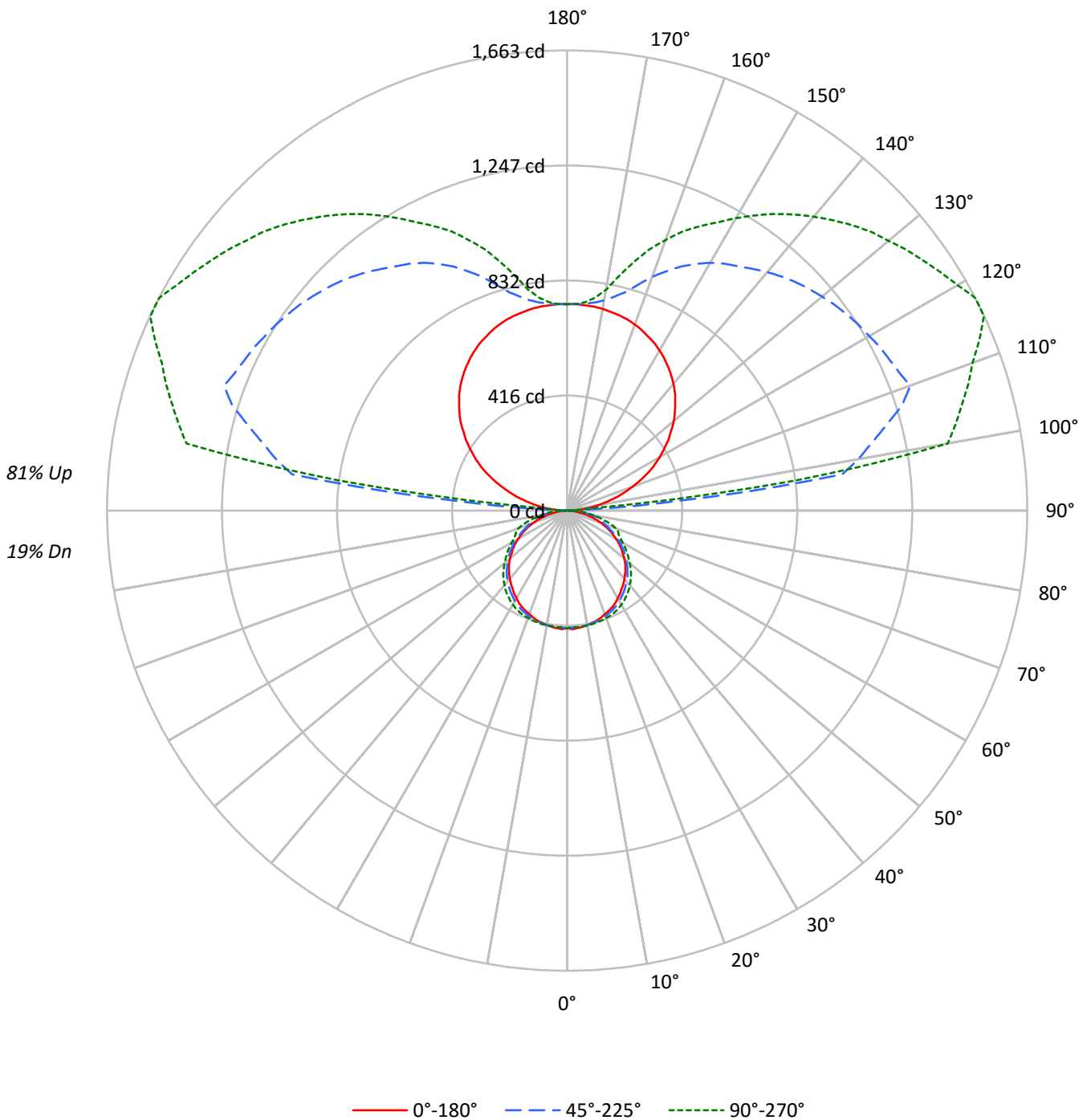
Input Watts (W): 63.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	20	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°	3433	3433	3433
5°	3455	3426	3426
10°	3446	3446	3456
15°	3443	3463	3493
20°	3424	3486	3549
25°	3430	3506	3615
30°	3409	3522	3658
35°	3388	3520	3688
40°	3392	3521	3713
45°	3399	3523	3731
50°	3387	3509	3707
55°	3351	3488	3710
60°	3295	3452	3726
65°	3226	3412	3922
70°	3068	3441	4416
75°	2842	3939	4432
80°	2427	4012	4407
85°	1917	4502	5067



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.4	0.6
10°-20°	117.4	1.6
20°-30°	182.0	2.5
30°-40°	224.4	3.1
40°-50°	239.2	3.3
50°-60°	223.0	3.0
60°-70°	182.2	2.5
70°-80°	125.5	1.7
80°-90°	49.7	0.7
90°-100°	432.1	5.9
100°-110°	1107.6	15.1
110°-120°	1146.8	15.6
120°-130°	1021.1	13.9
130°-140°	850.2	11.6
140°-150°	647.3	8.8
150°-160°	435.6	5.9
160°-170°	236.1	3.2
170°-180°	72.4	1.0
0°-30°	339.8	4.6
0°-40°	564.2	7.7
0°-60°	1026.4	14.0
0°-90°	1383.8	18.9
90°-120°	2686.6	36.6
90°-150°	5205.2	71.0
90°-180°	5949.0	81.1
0°-180°	7333.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	425	425	425	425	425	
5°	426	425	423	423	423	41
15°	412	413	414	419	418	116
25°	385	388	394	402	406	177
35°	344	349	357	368	374	216
45°	298	300	309	320	327	229
55°	238	242	248	256	264	213
65°	169	172	179	196	205	166
75°	91	97	126	141	142	96
85°	21	39	49	56	55	24
90°	2	4	5	4	4	7
95°	61	481	403	60	58	61
105°	182	764	1194	1410	1477	192
115°	322	792	1287	1602	1662	317
125°	447	810	1234	1499	1573	398
135°	552	832	1168	1390	1458	426
145°	635	814	1078	1255	1308	398
155°	694	775	973	1098	1134	320
165°	730	754	818	899	929	206
175°	745	748	750	754	756	71
180°	746	746	746	746	746	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	425.2	425.2	425.2	425.2	425.2
2.5°	428.9	426.4	422.8	422.8	421.6
5°	426.4	425.2	422.8	422.8	422.8
7.5°	424.0	424.0	421.6	422.8	421.6
10°	420.4	421.6	420.4	422.8	421.6
12.5°	415.5	417.9	417.9	421.6	420.4
15°	411.9	413.1	414.3	419.1	417.9
17.5°	405.8	408.2	410.6	416.7	416.7
20°	398.5	402.1	405.8	413.1	413.1
22.5°	392.4	396.1	399.7	408.2	410.6
25°	385.1	387.6	393.6	402.1	405.8
27.5°	376.6	379.0	386.3	394.8	399.7
30°	365.7	370.5	377.8	387.6	392.4
32.5°	356.0	360.8	366.9	379.0	383.9
35°	343.8	348.7	357.2	368.1	374.2
37.5°	334.1	339.0	346.2	357.2	364.5
40°	321.9	325.6	334.1	345.0	352.3
42.5°	309.8	314.7	321.9	334.1	340.2
45°	297.7	300.1	308.6	319.5	326.8
47.5°	284.3	286.7	294.0	306.2	311.0
50°	269.7	273.4	279.4	290.4	295.2
52.5°	252.7	257.6	264.8	273.4	279.4
55°	238.1	241.8	247.8	256.3	263.6
57.5°	222.3	226.0	232.0	240.6	247.8
60°	204.1	207.7	213.8	224.8	230.8
62.5°	185.9	190.7	195.6	206.5	217.5
65°	168.9	172.5	178.6	195.6	205.3
67.5°	149.4	154.3	160.4	184.7	199.2
70°	130.0	134.9	145.8	178.6	187.1
72.5°	111.8	115.4	133.6	165.2	167.7
75°	91.1	97.2	126.3	140.9	142.1
77.5°	70.5	79.0	108.1	117.8	119.1
80°	52.2	65.6	86.3	93.5	94.8
82.5°	36.4	55.9	66.8	72.9	72.9
85°	20.7	38.9	48.6	55.9	54.7
87.5°	12.1	25.5	36.4	42.5	41.3
90°	2.4	3.6	4.9	3.6	3.6
92.5°	31.6	102.1	27.9	27.9	26.7
95°	60.7	481.1	403.3	59.5	58.3
97.5°	87.5	584.4	1002.3	1196.7	832.2
100°	117.8	694.9	1067.9	1318.2	1397.1
102.5°	147.0	742.3	1126.2	1358.3	1437.2
105°	182.2	764.2	1194.2	1410.5	1477.3
107.5°	216.3	775.1	1269.6	1455.5	1519.8
110°	250.3	782.4	1319.4	1506.5	1558.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	285.5	787.3	1299.9	1567.2	1612.2
115°	321.9	792.1	1286.6	1602.5	1662.0
117.5°	354.8	795.8	1275.6	1568.4	1663.2
120°	386.3	800.6	1261.1	1544.1	1629.2
122.5°	415.5	806.7	1248.9	1522.3	1601.2
125°	447.1	810.3	1234.3	1499.2	1573.3
127.5°	473.8	815.2	1219.8	1471.2	1546.6
130°	503.0	823.7	1202.8	1446.9	1516.2
132.5°	528.5	829.8	1185.7	1420.2	1490.7
135°	551.6	832.2	1167.5	1389.8	1457.9
137.5°	577.1	831.0	1146.9	1359.5	1422.7
140°	597.7	826.1	1125.0	1326.7	1386.2
142.5°	617.2	822.5	1100.7	1292.7	1348.5
145°	635.4	814.0	1077.6	1255.0	1308.4
147.5°	652.4	805.5	1058.2	1216.1	1264.7
150°	668.2	793.3	1033.9	1171.2	1219.8
152.5°	682.8	783.6	1004.7	1132.3	1173.6
155°	693.7	775.1	973.1	1098.3	1133.5
157.5°	705.9	769.0	935.5	1054.5	1092.2
160°	715.6	763.0	899.0	1004.7	1040.0
162.5°	724.1	758.1	856.5	956.1	990.1
165°	730.2	754.5	817.6	899.0	929.4
167.5°	735.0	750.8	792.1	839.5	868.7
170°	739.9	749.6	771.5	799.4	810.3
172.5°	743.5	749.6	758.1	771.5	776.3
175°	744.7	748.4	749.6	754.5	755.7
177.5°	747.2	749.6	745.9	747.2	747.2
180°	745.9	745.9	745.9	745.9	745.9

(END OF REPORT)