

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: P275247

Luminaire Tested: **J3-UL-80L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275247
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-80L82765-1D-UNV-W2A-W-4 (2700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7329.0 lumens
Efficiency: N/A
Efficacy: 117.6 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

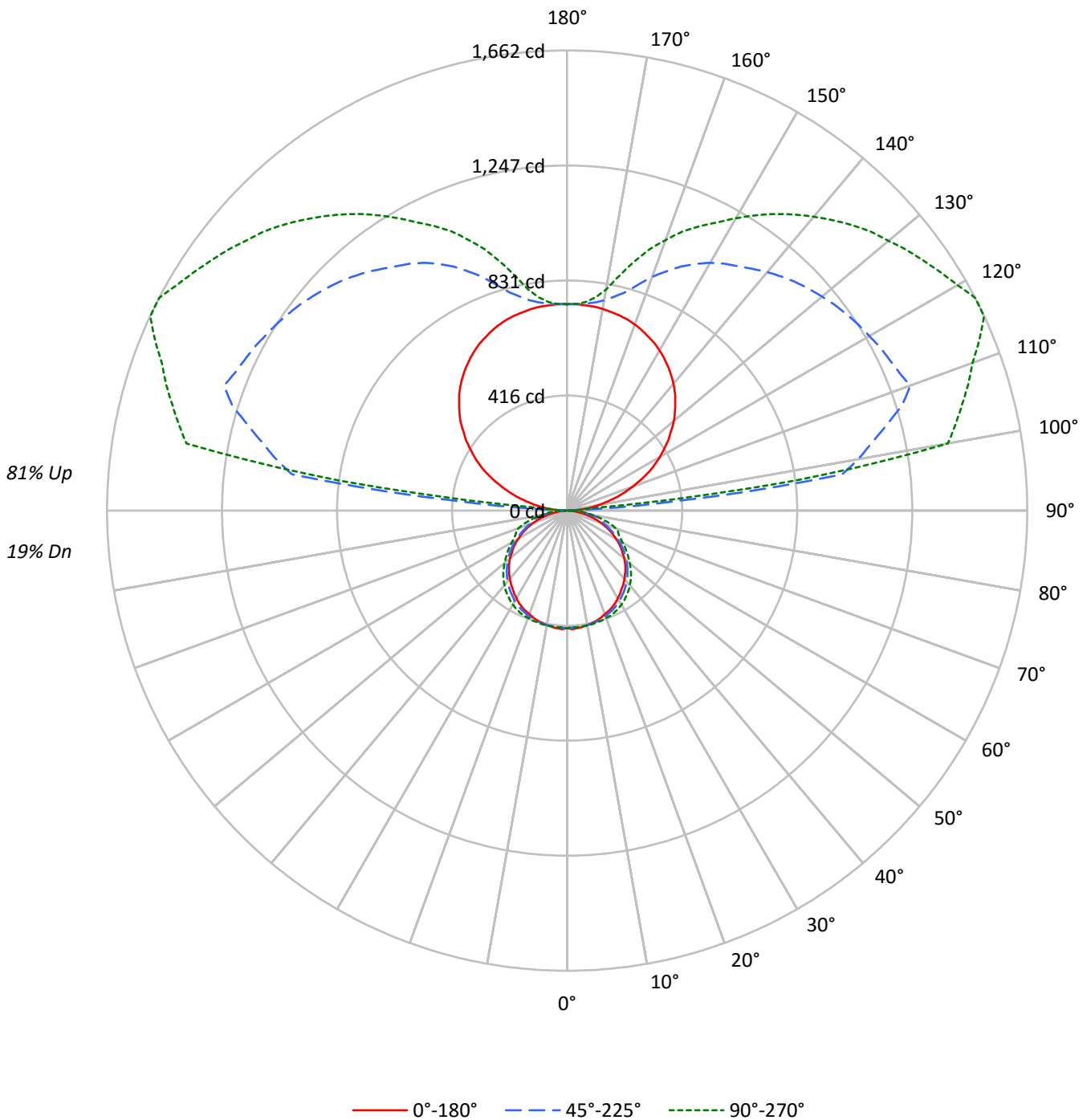
Input Watts (W): 62.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3431	3431	3431
5°	3454	3425	3425
10°	3444	3444	3454
15°	3440	3461	3491
20°	3422	3485	3546
25°	3429	3504	3613
30°	3407	3520	3656
35°	3386	3518	3686
40°	3391	3519	3711
45°	3397	3521	3729
50°	3386	3508	3706
55°	3350	3486	3709
60°	3294	3450	3725
65°	3224	3410	3920
70°	3066	3439	4414
75°	2842	3939	4432
80°	2427	4007	4403
85°	1908	4502	5057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.4	0.6
10°-20°	117.4	1.6
20°-30°	181.9	2.5
30°-40°	224.3	3.1
40°-50°	239.1	3.3
50°-60°	222.9	3.0
60°-70°	182.1	2.5
70°-80°	125.5	1.7
80°-90°	49.6	0.7
90°-100°	431.9	5.9
100°-110°	1107.0	15.1
110°-120°	1146.2	15.6
120°-130°	1020.5	13.9
130°-140°	849.7	11.6
140°-150°	646.9	8.8
150°-160°	435.3	5.9
160°-170°	236.0	3.2
170°-180°	72.4	1.0
0°-30°	339.6	4.6
0°-40°	563.9	7.7
0°-60°	1025.9	14.0
0°-90°	1383.1	18.9
90°-120°	2685.1	36.6
90°-150°	5202.2	71.0
90°-180°	5946.0	81.1
0°-180°	7329.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	425	425	425	425	425	
5°	426	425	423	423	423	40
15°	412	413	414	419	418	116
25°	385	387	393	402	406	177
35°	344	348	357	368	374	216
45°	298	300	308	319	327	229
55°	238	242	248	256	264	212
65°	169	172	178	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	1476	192
115°	322	792	1286	1602	1661	317
125°	447	810	1234	1498	1572	398
135°	551	832	1167	1389	1457	426
145°	635	814	1077	1254	1308	397
155°	693	775	973	1098	1133	320
165°	730	754	817	898	929	206
175°	744	748	749	754	755	71
180°	746	746	746	746	746	



TEST NUMBER: P275247

CATALOG NUMBER: J3-UL-80L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	425.0	425.0	425.0	425.0	425.0
2.5°	428.6	426.2	422.6	422.6	421.3
5°	426.2	425.0	422.6	422.6	422.6
7.5°	423.8	423.8	421.3	422.6	421.3
10°	420.1	421.3	420.1	422.6	421.3
12.5°	415.3	417.7	417.7	421.3	420.1
15°	411.6	412.8	414.1	418.9	417.7
17.5°	405.6	408.0	410.4	416.5	416.5
20°	398.3	401.9	405.6	412.8	412.8
22.5°	392.2	395.8	399.5	408.0	410.4
25°	384.9	387.3	393.4	401.9	405.6
27.5°	376.4	378.8	386.1	394.6	399.5
30°	365.5	370.3	377.6	387.3	392.2
32.5°	355.8	360.6	366.7	378.8	383.7
35°	343.6	348.5	357.0	367.9	374.0
37.5°	333.9	338.8	346.1	357.0	364.3
40°	321.8	325.4	333.9	344.8	352.1
42.5°	309.6	314.5	321.8	333.9	340.0
45°	297.5	299.9	308.4	319.3	326.6
47.5°	284.1	286.6	293.8	306.0	310.8
50°	269.6	273.2	279.3	290.2	295.1
52.5°	252.6	257.4	264.7	273.2	279.3
55°	238.0	241.6	247.7	256.2	263.5
57.5°	222.2	225.8	231.9	240.4	247.7
60°	204.0	207.6	213.7	224.6	230.7
62.5°	185.8	190.6	195.5	206.4	217.3
65°	168.8	172.4	178.5	195.5	205.2
67.5°	149.3	154.2	160.3	184.6	199.1
70°	129.9	134.8	145.7	178.5	187.0
72.5°	111.7	115.4	133.6	165.1	167.6
75°	91.1	97.1	126.3	140.9	142.1
77.5°	70.4	78.9	108.1	117.8	119.0
80°	52.2	65.6	86.2	93.5	94.7
82.5°	36.4	55.9	66.8	72.9	72.9
85°	20.6	38.9	48.6	55.9	54.6
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	102.0	27.9	27.9	26.7
95°	60.7	480.8	403.1	59.5	58.3
97.5°	87.4	584.0	1001.7	1196.0	831.7
100°	117.8	694.5	1067.3	1317.4	1396.4
102.5°	146.9	741.9	1125.6	1357.5	1436.4
105°	182.1	763.7	1193.6	1409.7	1476.5
107.5°	216.1	774.7	1268.9	1454.6	1519.0
110°	250.1	782.0	1318.6	1505.6	1557.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	285.3	786.8	1299.2	1566.4	1611.3
115°	321.8	791.7	1285.9	1601.6	1661.1
117.5°	354.6	795.3	1274.9	1567.6	1662.3
120°	386.1	800.2	1260.4	1543.3	1628.3
122.5°	415.3	806.2	1248.2	1521.4	1600.3
125°	446.8	809.9	1233.7	1498.4	1572.4
127.5°	473.5	814.7	1219.1	1470.4	1545.7
130°	502.7	823.2	1202.1	1446.1	1515.4
132.5°	528.2	829.3	1185.1	1419.4	1489.9
135°	551.3	831.7	1166.9	1389.1	1457.1
137.5°	576.8	830.5	1146.2	1358.7	1421.9
140°	597.4	825.7	1124.4	1325.9	1385.4
142.5°	616.8	822.0	1100.1	1291.9	1347.8
145°	635.0	813.5	1077.0	1254.3	1307.7
147.5°	652.0	805.0	1057.6	1215.4	1264.0
150°	667.8	792.9	1033.3	1170.5	1219.1
152.5°	682.4	783.2	1004.2	1131.7	1172.9
155°	693.3	774.7	972.6	1097.7	1132.9
157.5°	705.5	768.6	935.0	1053.9	1091.6
160°	715.2	762.5	898.5	1004.2	1039.4
162.5°	723.7	757.7	856.0	955.6	989.6
165°	729.7	754.0	817.2	898.5	928.9
167.5°	734.6	750.4	791.7	839.0	868.2
170°	739.5	749.2	771.0	799.0	809.9
172.5°	743.1	749.2	757.7	771.0	775.9
175°	744.3	748.0	749.2	754.0	755.2
177.5°	746.7	749.2	745.5	746.7	746.7
180°	745.5	745.5	745.5	745.5	745.5

(END OF REPORT)