

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: P275261

Luminaire Tested: **J3-UL-80L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-18)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-80L92765-1D-UNV-W2A-W-4 (5700K)
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 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7528.6 lumens
Efficiency: N/A
Efficacy: 117.3 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

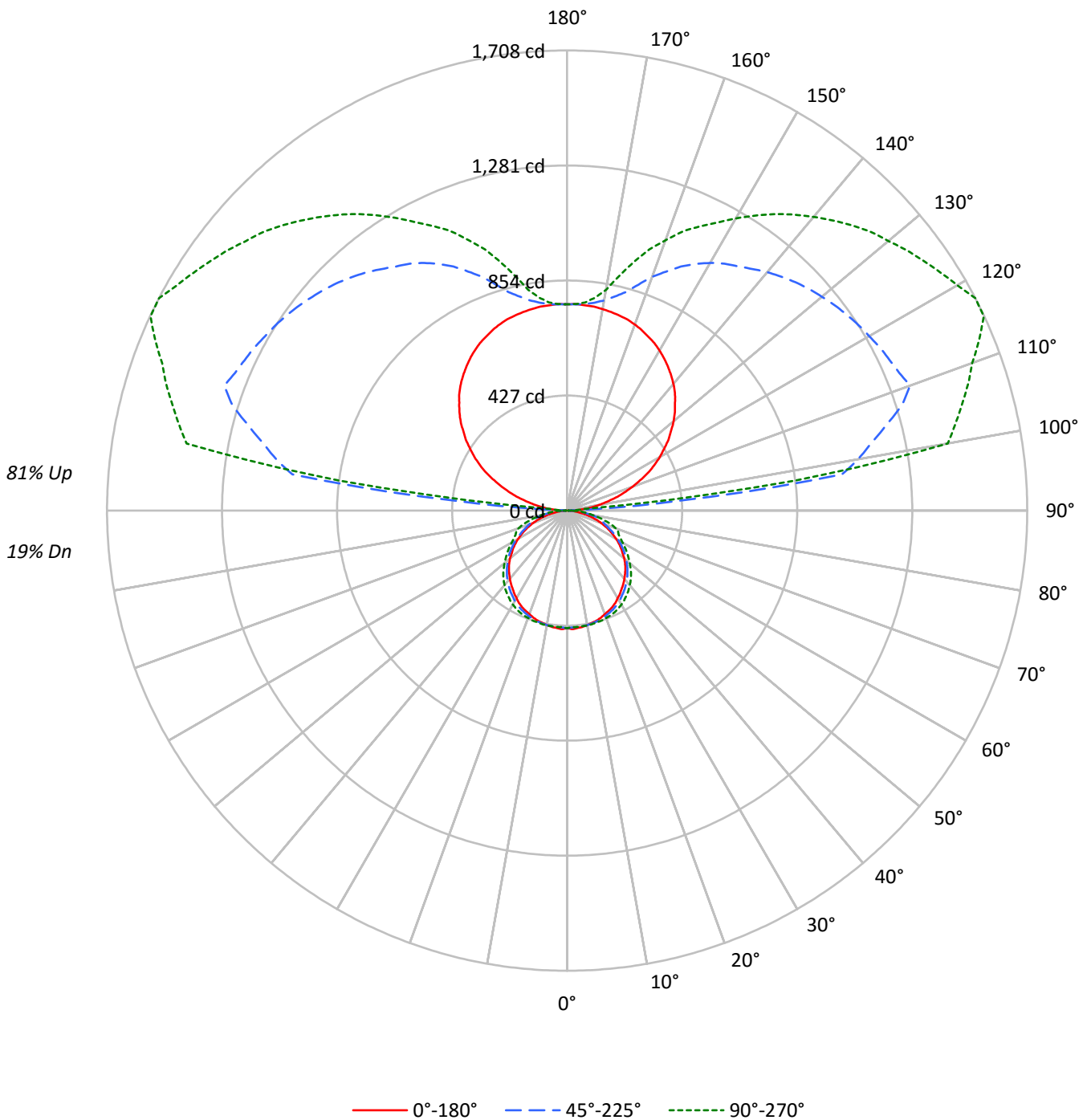
Input Watts (W): 64.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3525	3525	3525
5°	3548	3518	3518
10°	3538	3538	3548
15°	3534	3555	3586
20°	3515	3579	3643
25°	3522	3600	3711
30°	3499	3616	3756
35°	3479	3614	3786
40°	3483	3615	3812
45°	3489	3617	3830
50°	3478	3603	3807
55°	3441	3581	3810
60°	3383	3544	3827
65°	3312	3503	4027
70°	3151	3533	4534
75°	2916	4046	4551
80°	2492	4119	4523
85°	1964	4622	5196



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	0.6
10°-20°	120.6	1.6
20°-30°	186.8	2.5
30°-40°	230.4	3.1
40°-50°	245.6	3.3
50°-60°	228.9	3.0
60°-70°	187.0	2.5
70°-80°	128.9	1.7
80°-90°	51.0	0.7
90°-100°	443.7	5.9
100°-110°	1137.1	15.1
110°-120°	1177.4	15.6
120°-130°	1048.3	13.9
130°-140°	872.9	11.6
140°-150°	664.6	8.8
150°-160°	447.2	5.9
160°-170°	242.4	3.2
170°-180°	74.3	1.0
0°-30°	348.8	4.6
0°-40°	579.3	7.7
0°-60°	1053.8	14.0
0°-90°	1420.7	18.9
90°-120°	2758.2	36.6
90°-150°	5343.9	71.0
90°-180°	6108.0	81.1
0°-180°	7528.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	437	437	437	437	437	
5°	438	437	434	434	434	42
15°	423	424	425	430	429	119
25°	395	398	404	413	417	182
35°	353	358	367	378	384	222
45°	306	308	317	328	336	236
55°	244	248	254	263	271	218
65°	173	177	183	201	211	171
75°	94	100	130	145	146	99
85°	21	40	50	57	56	25
90°	2	4	5	4	4	7
95°	62	494	414	61	60	62
105°	187	784	1226	1448	1517	198
115°	330	813	1321	1645	1706	325
125°	459	832	1267	1539	1615	409
135°	566	854	1199	1427	1497	438
145°	652	836	1106	1288	1343	408
155°	712	796	999	1128	1164	329
165°	750	775	839	923	954	212
175°	765	768	770	775	776	73
180°	766	766	766	766	766	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	436.6	436.6	436.6	436.6	436.6
2.5°	440.3	437.8	434.1	434.1	432.8
5°	437.8	436.6	434.1	434.1	434.1
7.5°	435.3	435.3	432.8	434.1	432.8
10°	431.6	432.8	431.6	434.1	432.8
12.5°	426.6	429.1	429.1	432.8	431.6
15°	422.8	424.1	425.3	430.3	429.1
17.5°	416.6	419.1	421.6	427.8	427.8
20°	409.1	412.9	416.6	424.1	424.1
22.5°	402.9	406.6	410.4	419.1	421.6
25°	395.4	397.9	404.1	412.9	416.6
27.5°	386.7	389.2	396.6	405.4	410.4
30°	375.4	380.4	387.9	397.9	402.9
32.5°	365.5	370.4	376.7	389.2	394.1
35°	353.0	358.0	366.7	377.9	384.2
37.5°	343.0	348.0	355.5	366.7	374.2
40°	330.5	334.3	343.0	354.2	361.7
42.5°	318.1	323.0	330.5	343.0	349.2
45°	305.6	308.1	316.8	328.0	335.5
47.5°	291.9	294.4	301.8	314.3	319.3
50°	276.9	280.6	286.9	298.1	303.1
52.5°	259.4	264.4	271.9	280.6	286.9
55°	244.5	248.2	254.4	263.2	270.7
57.5°	228.3	232.0	238.2	247.0	254.4
60°	209.5	213.3	219.5	230.7	237.0
62.5°	190.8	195.8	200.8	212.0	223.3
65°	173.4	177.1	183.4	200.8	210.8
67.5°	153.4	158.4	164.6	189.6	204.6
70°	133.5	138.4	149.7	183.4	192.1
72.5°	114.8	118.5	137.2	169.6	172.1
75°	93.5	99.8	129.7	144.7	145.9
77.5°	72.3	81.1	111.0	121.0	122.2
80°	53.6	67.4	88.6	96.0	97.3
82.5°	37.4	57.4	68.6	74.8	74.8
85°	21.2	39.9	49.9	57.4	56.1
87.5°	12.5	26.2	37.4	43.7	42.4
90°	2.5	3.7	5.0	3.7	3.7
92.5°	32.4	104.8	28.7	28.7	27.4
95°	62.4	493.9	414.1	61.1	59.9
97.5°	89.8	599.9	1029.0	1228.6	854.4
100°	121.0	713.5	1096.4	1353.3	1434.4
102.5°	150.9	762.1	1156.2	1394.5	1475.5
105°	187.1	784.5	1226.1	1448.1	1516.7
107.5°	222.0	795.8	1303.4	1494.3	1560.4
110°	256.9	803.3	1354.6	1546.6	1600.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	293.1	808.2	1334.6	1609.0	1655.2
115°	330.5	813.2	1320.9	1645.2	1706.3
117.5°	364.2	817.0	1309.7	1610.3	1707.5
120°	396.6	822.0	1294.7	1585.3	1672.6
122.5°	426.6	828.2	1282.2	1562.9	1643.9
125°	459.0	831.9	1267.2	1539.2	1615.2
127.5°	486.4	836.9	1252.3	1510.5	1587.8
130°	516.4	845.7	1234.8	1485.5	1556.6
132.5°	542.6	851.9	1217.4	1458.1	1530.4
135°	566.3	854.4	1198.6	1426.9	1496.8
137.5°	592.5	853.1	1177.4	1395.7	1460.6
140°	613.7	848.2	1155.0	1362.0	1423.2
142.5°	633.6	844.4	1130.0	1327.1	1384.5
145°	652.3	835.7	1106.3	1288.5	1343.3
147.5°	669.8	827.0	1086.4	1248.5	1298.4
150°	686.0	814.5	1061.4	1202.4	1252.3
152.5°	701.0	804.5	1031.5	1162.5	1204.9
155°	712.2	795.8	999.1	1127.6	1163.7
157.5°	724.7	789.5	960.4	1082.6	1121.3
160°	734.7	783.3	923.0	1031.5	1067.7
162.5°	743.4	778.3	879.3	981.6	1016.5
165°	749.6	774.6	839.4	923.0	954.2
167.5°	754.6	770.8	813.2	861.9	891.8
170°	759.6	769.6	792.0	820.7	831.9
172.5°	763.3	769.6	778.3	792.0	797.0
175°	764.6	768.3	769.6	774.6	775.8
177.5°	767.1	769.6	765.8	767.1	767.1
180°	765.8	765.8	765.8	765.8	765.8

(END OF REPORT)