

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: P275234

Luminaire Tested: **J3-UL-60L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-60L82765-1D-UNV-W2A-W-4 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6023.9 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

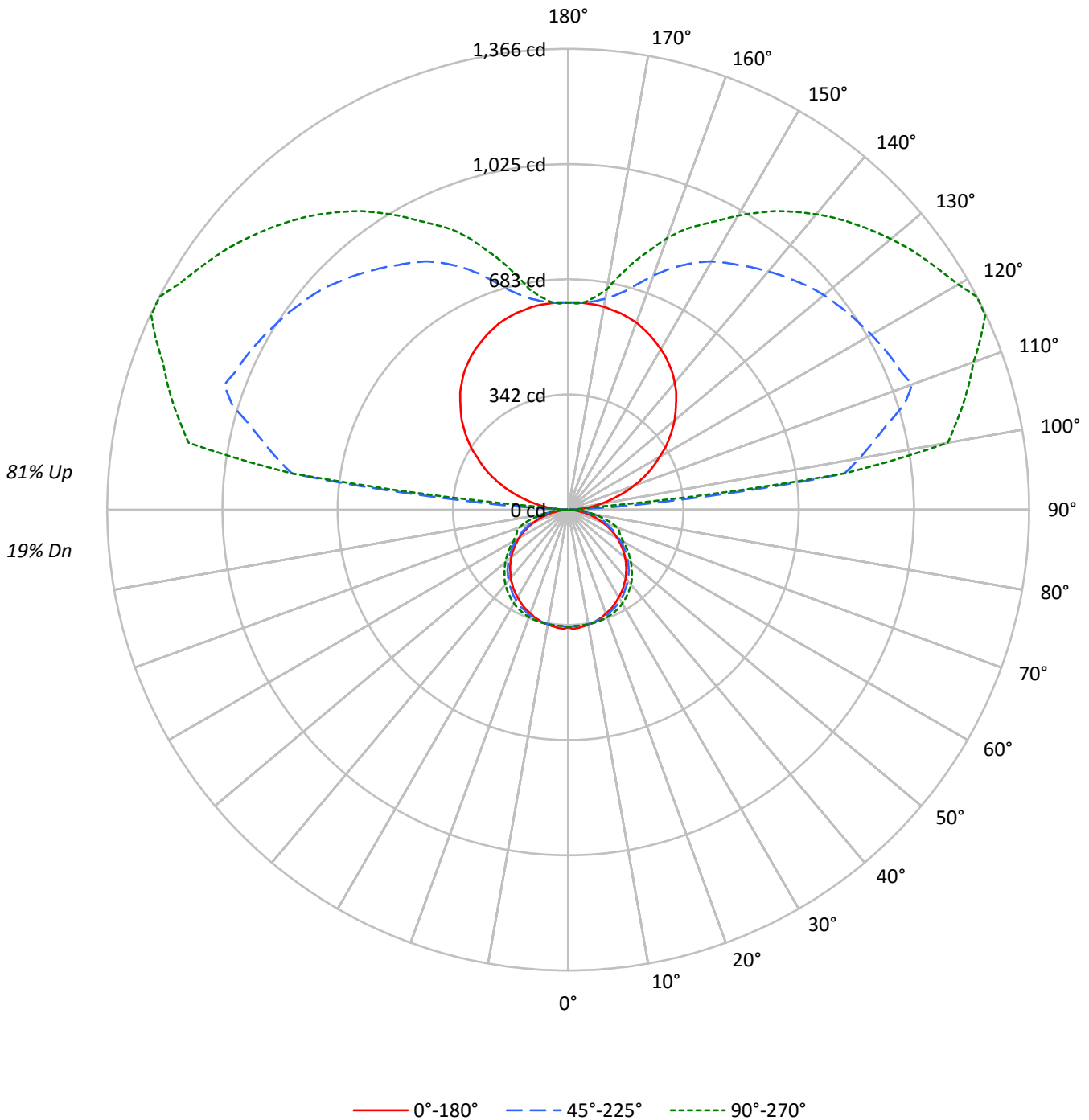
Input Watts (W): 44.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	27	27	27	19				
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	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°	2814	2814	2814
5°	2845	2806	2796
10°	2828	2818	2828
15°	2823	2833	2863
20°	2809	2861	2912
25°	2806	2870	2956
30°	2791	2880	2992
35°	2796	2879	3022
40°	2800	2889	3053
45°	2773	2896	3047
50°	2763	2884	3051
55°	2742	2877	3046
60°	2717	2834	3027
65°	2619	2802	3215
70°	2526	2809	3633
75°	2324	3225	3674
80°	2013	3296	3575
85°	1556	3677	4122



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	0.5
10°-20°	96.3	1.6
20°-30°	149.1	2.5
30°-40°	184.1	3.1
40°-50°	196.1	3.3
50°-60°	183.0	3.0
60°-70°	149.2	2.5
70°-80°	103.1	1.7
80°-90°	40.2	0.7
90°-100°	360.0	6.0
100°-110°	909.2	15.1
110°-120°	940.9	15.6
120°-130°	837.9	13.9
130°-140°	698.1	11.6
140°-150°	531.9	8.8
150°-160°	358.0	5.9
160°-170°	194.1	3.2
170°-180°	59.6	1.0
0°-30°	278.5	4.6
0°-40°	462.6	7.7
0°-60°	841.7	14.0
0°-90°	1134.2	18.8
90°-120°	2210.1	36.7
90°-150°	4278.0	71.0
90°-180°	4890.0	81.2
0°-180°	6023.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	349	349	349	349	349	
5°	351	349	346	347	345	33
15°	338	339	339	343	343	96
25°	315	319	322	329	332	145
35°	284	286	292	303	307	177
45°	243	246	254	262	267	188
55°	195	198	204	210	216	174
65°	137	141	147	160	168	136
75°	74	79	103	117	118	79
85°	17	31	40	44	44	20
90°	2	4	4	2	2	6
95°	50	394	309	49	48	50
105°	149	628	979	1156	1212	159
115°	262	648	1059	1316	1363	258
125°	364	664	1015	1230	1292	325
135°	452	683	957	1141	1199	349
145°	523	671	885	1028	1081	327
155°	571	637	800	900	932	263
165°	602	619	673	739	762	170
175°	614	616	617	623	619	59
180°	614	614	614	614	614	



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CATALOG NUMBER: J3-UL-60L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	348.6	348.6	348.6	348.6	348.6
2.5°	353.5	348.6	346.2	347.4	345.0
5°	351.1	348.6	346.2	347.4	345.0
7.5°	348.6	347.4	345.0	347.4	345.0
10°	345.0	345.0	343.8	346.2	345.0
12.5°	343.8	342.6	342.6	345.0	343.8
15°	337.8	339.0	339.0	342.6	342.6
17.5°	334.2	335.4	336.6	341.4	341.4
20°	327.0	330.6	333.0	339.0	339.0
22.5°	322.2	324.6	327.0	334.2	335.4
25°	315.0	318.6	322.2	329.4	331.8
27.5°	307.8	311.4	316.2	324.6	327.0
30°	299.4	304.2	309.0	317.4	321.0
32.5°	292.1	295.7	301.8	311.4	313.8
35°	283.7	286.1	292.1	303.0	306.6
37.5°	274.1	276.5	283.7	293.3	298.2
40°	265.7	268.1	274.1	283.7	289.7
42.5°	253.7	257.3	264.5	272.9	278.9
45°	242.9	246.5	253.7	262.1	266.9
47.5°	232.0	235.6	241.6	250.1	254.9
50°	220.0	223.6	229.6	238.0	242.9
52.5°	208.0	211.6	217.6	224.8	229.6
55°	194.8	198.4	204.4	210.4	216.4
57.5°	181.5	185.1	190.0	197.2	203.2
60°	168.3	170.7	175.5	183.9	187.5
62.5°	153.9	156.3	161.1	169.5	177.9
65°	137.1	140.7	146.7	159.9	168.3
67.5°	122.6	125.0	131.0	150.3	163.5
70°	107.0	110.6	119.0	146.7	153.9
72.5°	91.4	95.0	110.6	134.6	138.3
75°	74.5	79.3	103.4	116.6	117.8
77.5°	58.9	64.9	89.0	96.2	97.4
80°	43.3	54.1	70.9	75.7	76.9
82.5°	28.9	45.7	52.9	58.9	58.9
85°	16.8	31.3	39.7	44.5	44.5
87.5°	9.6	20.4	30.1	34.9	33.7
90°	2.4	3.6	3.6	2.4	2.4
92.5°	27.7	87.8	24.0	22.8	22.8
95°	50.5	394.3	309.0	49.3	48.1
97.5°	72.1	478.5	825.9	999.1	824.7
100°	96.2	578.3	876.4	1083.2	1142.1
102.5°	122.6	613.1	924.5	1113.3	1175.8
105°	149.1	627.6	978.6	1156.5	1211.8
107.5°	177.9	637.2	1045.9	1191.4	1245.5
110°	206.8	642.0	1084.4	1234.7	1278.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	234.4	645.6	1067.6	1284.0	1322.5
115°	262.1	648.0	1059.2	1316.4	1363.3
117.5°	287.3	651.6	1048.3	1286.4	1365.7
120°	312.6	655.2	1037.5	1265.9	1334.5
122.5°	340.2	660.0	1025.5	1249.1	1312.8
125°	364.3	663.6	1014.7	1229.9	1292.4
127.5°	388.3	667.2	1001.5	1209.4	1272.0
130°	411.2	675.7	989.4	1189.0	1247.9
132.5°	431.6	680.5	975.0	1166.2	1223.9
135°	452.0	682.9	957.0	1140.9	1198.6
137.5°	473.7	681.7	940.1	1116.9	1172.2
140°	490.5	680.5	922.1	1088.0	1143.3
142.5°	508.5	676.9	904.1	1059.2	1112.1
145°	523.0	670.8	884.8	1027.9	1080.8
147.5°	537.4	663.6	868.0	995.4	1043.5
150°	549.4	652.8	850.0	960.6	1006.3
152.5°	560.2	644.4	825.9	929.3	966.6
155°	571.1	637.2	799.5	900.5	931.7
157.5°	580.7	632.4	770.6	865.6	899.3
160°	590.3	626.4	738.2	828.3	856.0
162.5°	596.3	622.8	704.5	783.9	806.7
165°	602.3	619.1	673.2	739.4	762.2
167.5°	605.9	616.7	651.6	692.5	712.9
170°	610.7	615.5	634.8	658.8	663.6
172.5°	613.1	615.5	624.0	636.0	637.2
175°	614.3	615.5	616.7	622.8	619.1
177.5°	615.5	616.7	613.1	616.7	611.9
180°	614.3	614.3	614.3	614.3	614.3

(END OF REPORT)