

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: P275246

Luminaire Tested: **J3-UL-60L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275246
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-60L92765-1D-UNV-W2A-W-4 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5728.1 lumens
Efficiency: N/A
Efficacy: 124.0 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

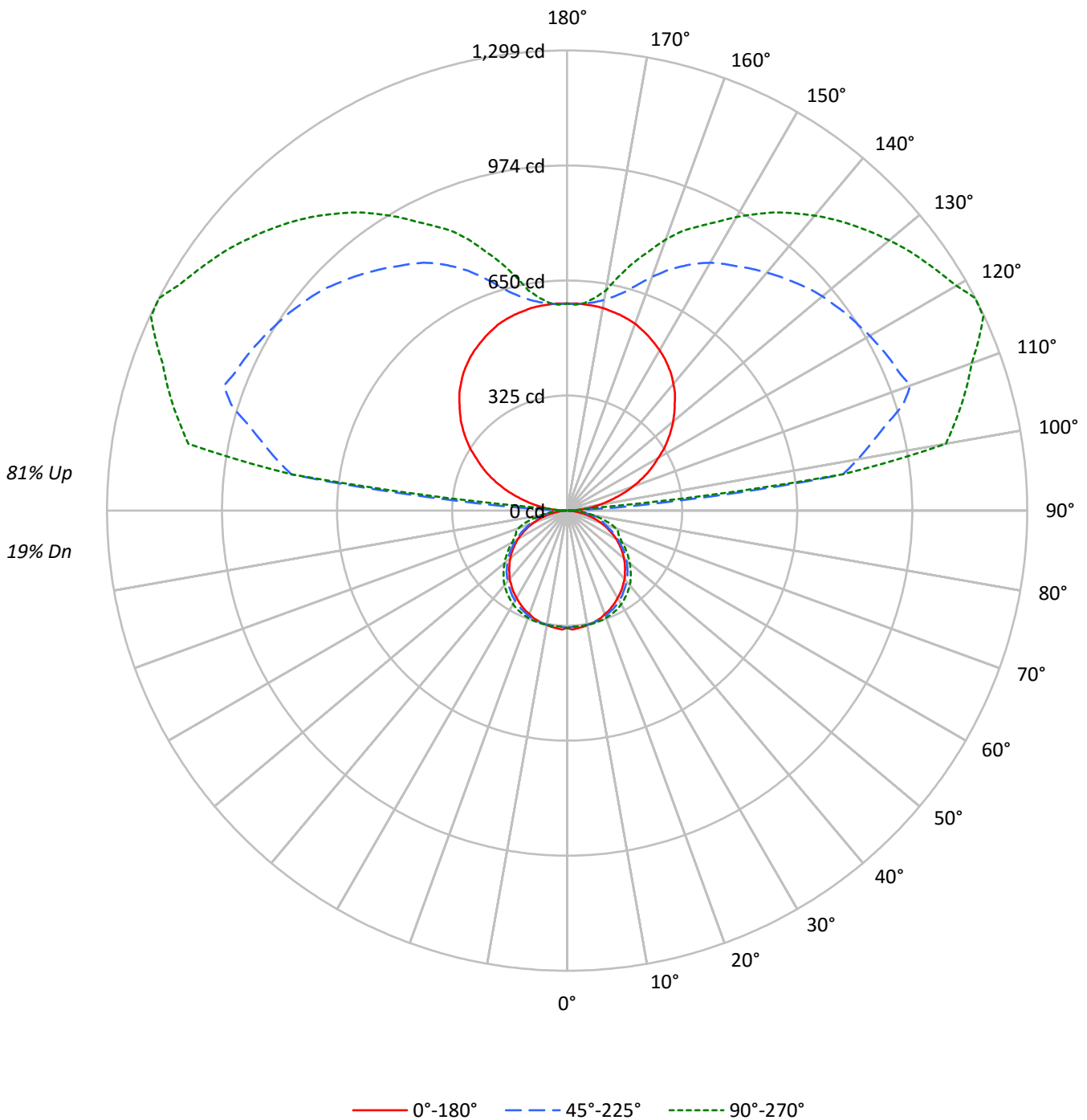
Input Watts (W): 46.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275246

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P275246

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (6500K)

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				19
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	24	23	23	15				15
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13				13
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10				10
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9				9
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8				8
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7				7
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6				6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				5
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5				5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4				4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2676	2676	2676
5°	2705	2668	2659
10°	2690	2681	2690
15°	2685	2695	2723
20°	2672	2721	2770
25°	2668	2729	2810
30°	2654	2739	2845
35°	2659	2738	2873
40°	2662	2747	2903
45°	2636	2754	2898
50°	2627	2743	2900
55°	2607	2735	2897
60°	2583	2695	2879
65°	2489	2665	3056
70°	2400	2672	3453
75°	2211	3066	3493
80°	1915	3133	3403
85°	1482	3492	3918



TEST NUMBER: P275246

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.5	0.5
10°-20°	91.6	1.6
20°-30°	141.8	2.5
30°-40°	175.1	3.1
40°-50°	186.5	3.3
50°-60°	174.0	3.0
60°-70°	141.8	2.5
70°-80°	98.0	1.7
80°-90°	38.2	0.7
90°-100°	342.3	6.0
100°-110°	864.6	15.1
110°-120°	894.7	15.6
120°-130°	796.7	13.9
130°-140°	663.8	11.6
140°-150°	505.8	8.8
150°-160°	340.5	5.9
160°-170°	184.6	3.2
170°-180°	56.7	1.0
0°-30°	264.9	4.6
0°-40°	439.9	7.7
0°-60°	800.4	14.0
0°-90°	1078.5	18.8
90°-120°	2101.6	36.7
90°-150°	4068.0	71.0
90°-180°	4650.0	81.2
0°-180°	5728.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	332	332	332	332	332	
5°	334	332	329	330	328	32
15°	321	322	322	326	326	91
25°	300	303	306	313	316	138
35°	270	272	278	288	292	169
45°	231	234	241	249	254	178
55°	185	189	194	200	206	166
65°	130	134	140	152	160	130
75°	71	76	98	111	112	75
85°	16	30	38	42	42	19
90°	2	3	3	2	2	5
95°	48	375	294	47	46	48
105°	142	597	931	1100	1152	151
115°	249	616	1007	1252	1296	246
125°	346	631	965	1170	1229	309
135°	430	649	910	1085	1140	332
145°	497	638	841	977	1028	311
155°	543	606	760	856	886	251
165°	573	589	640	703	725	162
175°	584	585	586	592	589	56
180°	584	584	584	584	584	



TEST NUMBER: P275246

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	331.5	331.5	331.5	331.5	331.5
2.5°	336.1	331.5	329.2	330.4	328.1
5°	333.8	331.5	329.2	330.4	328.1
7.5°	331.5	330.4	328.1	330.4	328.1
10°	328.1	328.1	327.0	329.2	328.1
12.5°	327.0	325.8	325.8	328.1	327.0
15°	321.2	322.4	322.4	325.8	325.8
17.5°	317.8	319.0	320.1	324.7	324.7
20°	311.0	314.4	316.7	322.4	322.4
22.5°	306.4	308.7	311.0	317.8	319.0
25°	299.5	302.9	306.4	313.2	315.5
27.5°	292.7	296.1	300.7	308.7	311.0
30°	284.7	289.2	293.8	301.8	305.2
32.5°	277.8	281.2	286.9	296.1	298.4
35°	269.8	272.1	277.8	288.1	291.5
37.5°	260.7	262.9	269.8	278.9	283.5
40°	252.6	254.9	260.7	269.8	275.5
42.5°	241.2	244.6	251.5	259.5	265.2
45°	230.9	234.4	241.2	249.2	253.8
47.5°	220.6	224.1	229.8	237.8	242.4
50°	209.2	212.6	218.4	226.4	230.9
52.5°	197.8	201.2	206.9	213.8	218.4
55°	185.2	188.6	194.3	200.1	205.8
57.5°	172.6	176.1	180.6	187.5	193.2
60°	160.0	162.3	166.9	174.9	178.3
62.5°	146.3	148.6	153.2	161.2	169.2
65°	130.3	133.8	139.5	152.0	160.0
67.5°	116.6	118.9	124.6	142.9	155.5
70°	101.7	105.2	113.2	139.5	146.3
72.5°	86.9	90.3	105.2	128.0	131.5
75°	70.9	75.5	98.3	110.9	112.0
77.5°	56.0	61.7	84.6	91.5	92.6
80°	41.2	51.4	67.4	72.0	73.2
82.5°	27.4	43.4	50.3	56.0	56.0
85°	16.0	29.7	37.7	42.3	42.3
87.5°	9.1	19.4	28.6	33.2	32.0
90°	2.3	3.4	3.4	2.3	2.3
92.5°	26.3	83.5	22.9	21.7	21.7
95°	48.0	375.0	293.8	46.9	45.7
97.5°	68.6	455.0	785.4	950.0	784.2
100°	91.5	549.9	833.4	1030.0	1086.0
102.5°	116.6	583.0	879.1	1058.6	1118.1
105°	141.8	596.8	930.6	1099.8	1152.3
107.5°	169.2	605.9	994.6	1132.9	1184.4
110°	196.6	610.5	1031.2	1174.1	1215.2



TEST NUMBER: P275246

CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	222.9	613.9	1015.2	1220.9	1257.5
115°	249.2	616.2	1007.2	1251.8	1296.4
117.5°	273.2	619.6	996.9	1223.2	1298.7
120°	297.2	623.0	986.6	1203.8	1269.0
122.5°	323.5	627.6	975.2	1187.8	1248.4
125°	346.4	631.0	964.9	1169.5	1228.9
127.5°	369.3	634.5	952.3	1150.1	1209.5
130°	391.0	642.5	940.9	1130.6	1186.6
132.5°	410.4	647.1	927.1	1108.9	1163.8
135°	429.8	649.3	910.0	1084.9	1139.8
137.5°	450.4	648.2	894.0	1062.0	1114.6
140°	466.4	647.1	876.8	1034.6	1087.2
142.5°	483.6	643.6	859.7	1007.2	1057.5
145°	497.3	637.9	841.4	977.4	1027.7
147.5°	511.0	631.0	825.4	946.6	992.3
150°	522.4	620.8	808.2	913.4	956.9
152.5°	532.7	612.8	785.4	883.7	919.1
155°	543.0	605.9	760.2	856.3	886.0
157.5°	552.2	601.3	732.8	823.1	855.1
160°	561.3	595.6	701.9	787.7	814.0
162.5°	567.0	592.2	669.9	745.4	767.1
165°	572.7	588.7	640.2	703.1	724.8
167.5°	576.2	586.5	619.6	658.5	677.9
170°	580.7	585.3	603.6	626.5	631.0
172.5°	583.0	585.3	593.3	604.8	605.9
175°	584.2	585.3	586.5	592.2	588.7
177.5°	585.3	586.5	583.0	586.5	581.9
180°	584.2	584.2	584.2	584.2	584.2

(END OF REPORT)