

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: P275242

Luminaire Tested: **J3-UL-60L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275242
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5329.8 lumens
Efficiency: N/A
Efficacy: 119.5 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

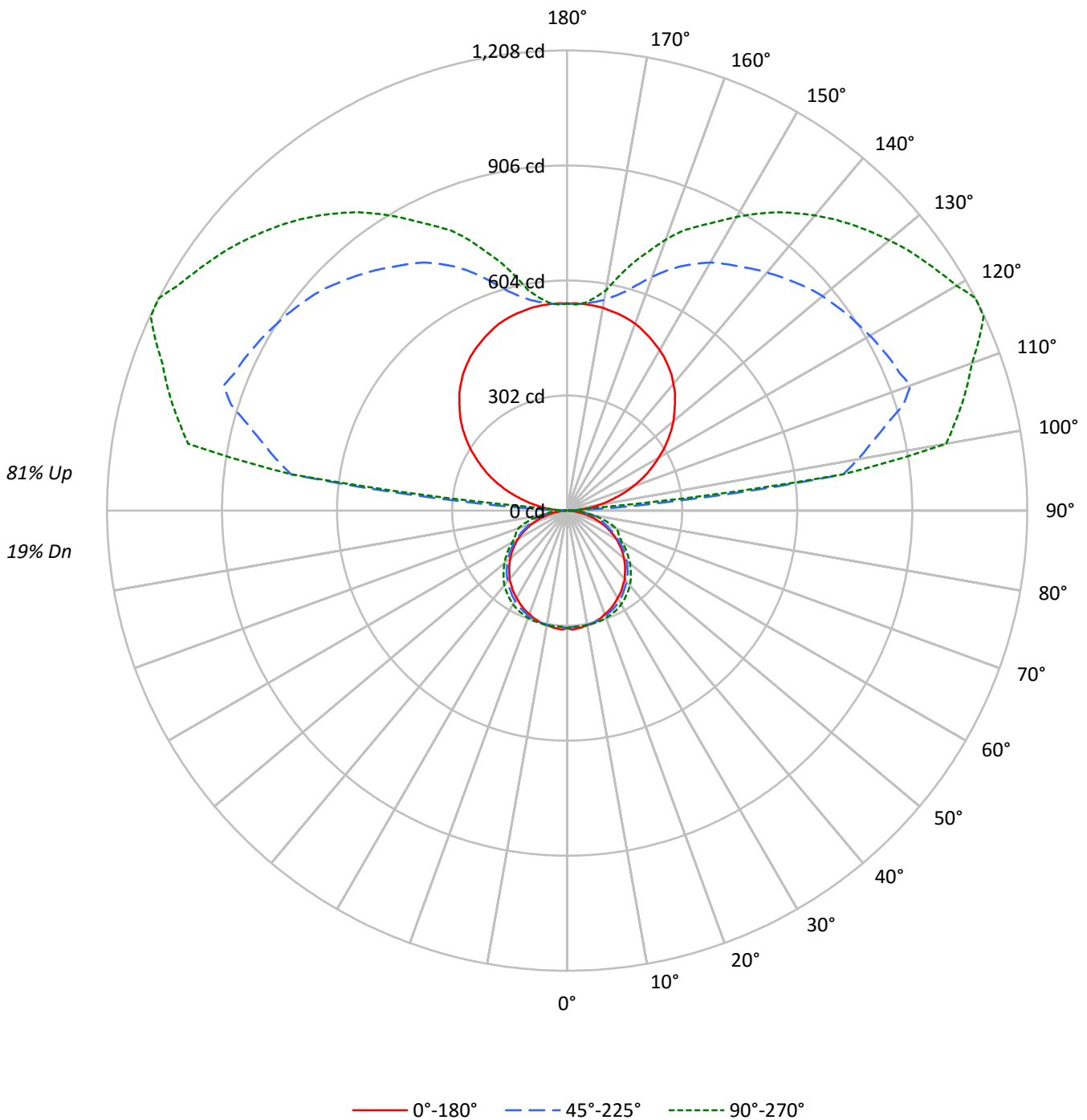
Input Watts (W): 44.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2491	2491	2491
5°	2517	2482	2474
10°	2503	2494	2503
15°	2498	2507	2534
20°	2485	2531	2577
25°	2483	2540	2615
30°	2469	2549	2647
35°	2474	2548	2673
40°	2478	2556	2702
45°	2453	2562	2696
50°	2445	2552	2699
55°	2425	2545	2695
60°	2404	2507	2679
65°	2317	2479	2844
70°	2235	2485	3215
75°	2056	2854	3250
80°	1781	2920	3166
85°	1380	3251	3649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	0.5
10°-20°	85.2	1.6
20°-30°	132.0	2.5
30°-40°	162.9	3.1
40°-50°	173.5	3.3
50°-60°	161.9	3.0
60°-70°	132.0	2.5
70°-80°	91.2	1.7
80°-90°	35.6	0.7
90°-100°	318.5	6.0
100°-110°	804.5	15.1
110°-120°	832.4	15.6
120°-130°	741.3	13.9
130°-140°	617.6	11.6
140°-150°	470.7	8.8
150°-160°	316.8	5.9
160°-170°	171.7	3.2
170°-180°	52.7	1.0
0°-30°	246.4	4.6
0°-40°	409.3	7.7
0°-60°	744.8	14.0
0°-90°	1003.5	18.8
90°-120°	1955.4	36.7
90°-150°	3785.0	71.0
90°-180°	4326.0	81.2
0°-180°	5329.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	308	308	308	308	308	
5°	311	308	306	307	305	29
15°	299	300	300	303	303	85
25°	279	282	285	292	294	128
35°	251	253	258	268	271	157
45°	215	218	224	232	236	166
55°	172	176	181	186	192	154
65°	121	124	130	142	149	121
75°	66	70	92	103	104	70
85°	15	28	35	39	39	17
90°	2	3	3	2	2	5
95°	45	349	273	44	42	44
105°	132	555	866	1023	1072	140
115°	232	573	937	1165	1206	229
125°	322	587	898	1088	1144	288
135°	400	604	847	1009	1060	309
145°	463	594	783	910	956	290
155°	505	564	707	797	824	233
165°	533	548	596	654	674	151
175°	544	545	546	551	548	52
180°	544	544	544	544	544	



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CATALOG NUMBER: J3-UL-60L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	308.5	308.5	308.5	308.5	308.5
2.5°	312.7	308.5	306.3	307.4	305.3
5°	310.6	308.5	306.3	307.4	305.3
7.5°	308.5	307.4	305.3	307.4	305.3
10°	305.3	305.3	304.2	306.3	305.3
12.5°	304.2	303.2	303.2	305.3	304.2
15°	298.9	300.0	300.0	303.2	303.2
17.5°	295.7	296.8	297.8	302.1	302.1
20°	289.3	292.5	294.6	300.0	300.0
22.5°	285.1	287.2	289.3	295.7	296.8
25°	278.7	281.9	285.1	291.5	293.6
27.5°	272.3	275.5	279.8	287.2	289.3
30°	264.9	269.1	273.4	280.8	284.0
32.5°	258.5	261.7	267.0	275.5	277.6
35°	251.0	253.2	258.5	268.1	271.2
37.5°	242.5	244.6	251.0	259.5	263.8
40°	235.1	237.2	242.5	251.0	256.4
42.5°	224.4	227.6	234.0	241.5	246.8
45°	214.9	218.1	224.4	231.9	236.1
47.5°	205.3	208.5	213.8	221.2	225.5
50°	194.7	197.8	203.2	210.6	214.9
52.5°	184.0	187.2	192.5	198.9	203.2
55°	172.3	175.5	180.8	186.1	191.5
57.5°	160.6	163.8	168.1	174.4	179.8
60°	148.9	151.0	155.3	162.7	165.9
62.5°	136.2	138.3	142.5	150.0	157.4
65°	121.3	124.5	129.8	141.5	148.9
67.5°	108.5	110.6	115.9	133.0	144.7
70°	94.7	97.9	105.3	129.8	136.2
72.5°	80.8	84.0	97.9	119.1	122.3
75°	65.9	70.2	91.5	103.2	104.2
77.5°	52.1	57.4	78.7	85.1	86.2
80°	38.3	47.9	62.8	67.0	68.1
82.5°	25.5	40.4	46.8	52.1	52.1
85°	14.9	27.7	35.1	39.4	39.4
87.5°	8.5	18.1	26.6	30.8	29.8
90°	2.1	3.2	3.2	2.1	2.1
92.5°	24.5	77.6	21.3	20.2	20.2
95°	44.7	348.9	273.4	43.6	42.5
97.5°	63.8	423.4	730.8	883.9	729.7
100°	85.1	511.6	775.4	958.4	1010.5
102.5°	108.5	542.5	818.0	985.0	1040.3
105°	131.9	555.2	865.8	1023.3	1072.2
107.5°	157.4	563.8	925.4	1054.1	1102.0
110°	183.0	568.0	959.5	1092.4	1130.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	207.4	571.2	944.6	1136.0	1170.1
115°	231.9	573.3	937.1	1164.7	1206.2
117.5°	254.2	576.5	927.5	1138.2	1208.4
120°	276.6	579.7	918.0	1120.1	1180.7
122.5°	301.0	584.0	907.3	1105.2	1161.6
125°	322.3	587.2	897.8	1088.2	1143.5
127.5°	343.6	590.4	886.1	1070.1	1125.4
130°	363.8	597.8	875.4	1052.0	1104.1
132.5°	381.9	602.1	862.7	1031.8	1082.8
135°	399.9	604.2	846.7	1009.4	1060.5
137.5°	419.1	603.1	831.8	988.2	1037.1
140°	434.0	602.1	815.9	962.6	1011.6
142.5°	449.9	598.9	799.9	937.1	983.9
145°	462.7	593.5	782.9	909.5	956.3
147.5°	475.5	587.2	768.0	880.7	923.3
150°	486.1	577.6	752.0	849.9	890.3
152.5°	495.7	570.1	730.8	822.2	855.2
155°	505.3	563.8	707.4	796.7	824.4
157.5°	513.8	559.5	681.8	765.9	795.6
160°	522.3	554.2	653.1	732.9	757.4
162.5°	527.6	551.0	623.3	693.5	713.7
165°	532.9	547.8	595.7	654.2	674.4
167.5°	536.1	545.7	576.5	612.7	630.8
170°	540.4	544.6	561.6	582.9	587.2
172.5°	542.5	544.6	552.1	562.7	563.8
175°	543.5	544.6	545.7	551.0	547.8
177.5°	544.6	545.7	542.5	545.7	541.4
180°	543.5	543.5	543.5	543.5	543.5

(END OF REPORT)