

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: P253601

Luminaire Tested: **J3-UL-60L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253601
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-60L93050-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5129.0 lumens
Efficiency: N/A
Efficacy: 114.2 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

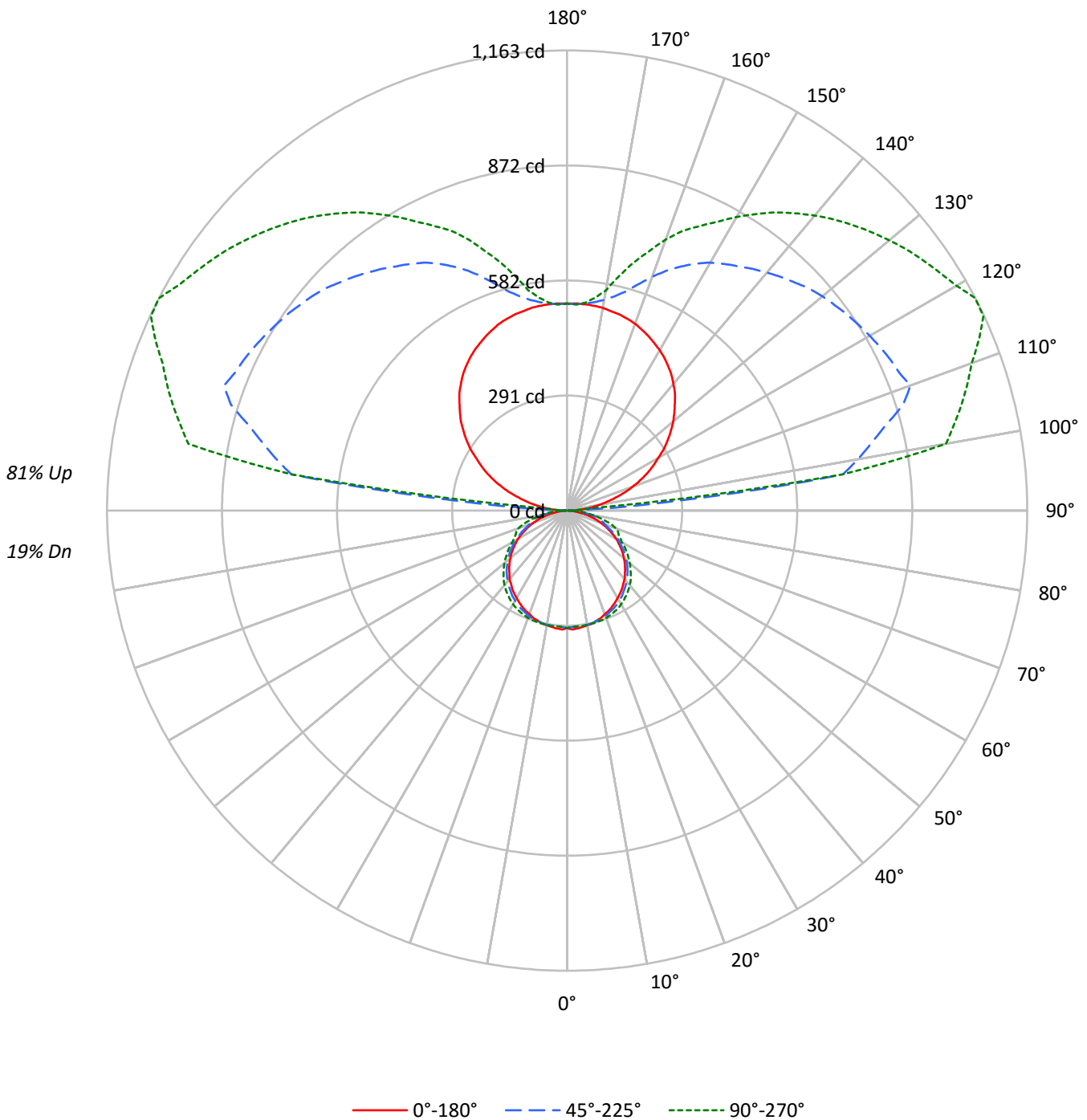
Input Watts (W): 44.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2397	2397	2397
5°	2422	2389	2381
10°	2408	2400	2408
15°	2404	2413	2438
20°	2392	2436	2480
25°	2389	2443	2516
30°	2376	2453	2548
35°	2381	2451	2572
40°	2384	2460	2600
45°	2361	2466	2594
50°	2352	2455	2597
55°	2334	2449	2594
60°	2314	2414	2578
65°	2229	2386	2737
70°	2150	2391	3092
75°	1981	2745	3129
80°	1715	2808	3045
85°	1325	3131	3511



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	0.5
10°-20°	82.0	1.6
20°-30°	127.0	2.5
30°-40°	156.8	3.1
40°-50°	167.0	3.3
50°-60°	155.8	3.0
60°-70°	127.0	2.5
70°-80°	87.8	1.7
80°-90°	34.3	0.7
90°-100°	306.5	6.0
100°-110°	774.2	15.1
110°-120°	801.1	15.6
120°-130°	713.4	13.9
130°-140°	594.4	11.6
140°-150°	452.9	8.8
150°-160°	304.8	5.9
160°-170°	165.2	3.2
170°-180°	50.7	1.0
0°-30°	237.1	4.6
0°-40°	393.9	7.7
0°-60°	716.7	14.0
0°-90°	965.8	18.8
90°-120°	1881.7	36.7
90°-150°	3642.5	71.0
90°-180°	4163.0	81.2
0°-180°	5129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	297	297	297	297	297	
5°	299	297	295	296	294	28
15°	288	289	289	292	292	81
25°	268	271	274	280	282	124
35°	242	244	249	258	261	151
45°	207	210	216	223	227	160
55°	166	169	174	179	184	148
65°	117	120	125	136	143	116
75°	64	68	88	99	100	67
85°	14	27	34	38	38	17
90°	2	3	3	2	2	5
95°	43	336	263	42	41	43
105°	127	534	833	985	1032	135
115°	223	552	902	1121	1161	220
125°	310	565	864	1047	1100	277
135°	385	581	815	971	1021	297
145°	445	571	753	875	920	279
155°	486	542	681	767	793	224
165°	513	527	573	630	649	145
175°	523	524	525	530	527	50
180°	523	523	523	523	523	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	296.9	296.9	296.9	296.9	296.9
2.5°	300.9	296.9	294.8	295.8	293.8
5°	298.9	296.9	294.8	295.8	293.8
7.5°	296.9	295.8	293.8	295.8	293.8
10°	293.8	293.8	292.8	294.8	293.8
12.5°	292.8	291.7	291.7	293.8	292.8
15°	287.6	288.7	288.7	291.7	291.7
17.5°	284.6	285.6	286.6	290.7	290.7
20°	278.4	281.5	283.5	288.7	288.7
22.5°	274.3	276.4	278.4	284.6	285.6
25°	268.2	271.3	274.3	280.5	282.5
27.5°	262.0	265.1	269.2	276.4	278.4
30°	254.9	259.0	263.1	270.2	273.3
32.5°	248.7	251.8	256.9	265.1	267.2
35°	241.6	243.6	248.7	258.0	261.0
37.5°	233.4	235.4	241.6	249.8	253.9
40°	226.2	228.3	233.4	241.6	246.7
42.5°	216.0	219.1	225.2	232.4	237.5
45°	206.8	209.8	216.0	223.2	227.2
47.5°	197.6	200.6	205.8	212.9	217.0
50°	187.3	190.4	195.5	202.7	206.8
52.5°	177.1	180.2	185.3	191.4	195.5
55°	165.8	168.9	174.0	179.1	184.3
57.5°	154.6	157.6	161.7	167.9	173.0
60°	143.3	145.4	149.5	156.6	159.7
62.5°	131.0	133.1	137.2	144.3	151.5
65°	116.7	119.8	124.9	136.1	143.3
67.5°	104.4	106.5	111.6	128.0	139.2
70°	91.1	94.2	101.3	124.9	131.0
72.5°	77.8	80.9	94.2	114.6	117.7
75°	63.5	67.6	88.0	99.3	100.3
77.5°	50.2	55.3	75.7	81.9	82.9
80°	36.9	46.1	60.4	64.5	65.5
82.5°	24.6	38.9	45.0	50.2	50.2
85°	14.3	26.6	33.8	37.9	37.9
87.5°	8.2	17.4	25.6	29.7	28.7
90°	2.0	3.1	3.1	2.0	2.0
92.5°	23.5	74.7	20.5	19.4	19.4
95°	43.0	335.8	263.1	42.0	40.9
97.5°	61.4	407.4	703.2	850.6	702.2
100°	81.9	492.4	746.2	922.3	972.5
102.5°	104.4	522.1	787.2	947.9	1001.1
105°	126.9	534.3	833.2	984.7	1031.8
107.5°	151.5	542.5	890.6	1014.4	1060.5
110°	176.1	546.6	923.3	1051.3	1088.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	199.6	549.7	909.0	1093.2	1126.0
115°	223.2	551.7	901.8	1120.9	1160.8
117.5°	244.6	554.8	892.6	1095.3	1162.8
120°	266.1	557.9	883.4	1077.9	1136.2
122.5°	289.7	562.0	873.2	1063.6	1117.8
125°	310.2	565.0	863.9	1047.2	1100.4
127.5°	330.6	568.1	852.7	1029.8	1083.0
130°	350.1	575.3	842.4	1012.4	1062.5
132.5°	367.5	579.4	830.2	992.9	1042.1
135°	384.9	581.4	814.8	971.4	1020.6
137.5°	403.3	580.4	800.5	951.0	998.0
140°	417.6	579.4	785.1	926.4	973.5
142.5°	433.0	576.3	769.8	901.8	946.9
145°	445.3	571.2	753.4	875.2	920.2
147.5°	457.6	565.0	739.1	847.6	888.5
150°	467.8	555.8	723.7	817.9	856.8
152.5°	477.0	548.7	703.2	791.3	823.0
155°	486.2	542.5	680.7	766.7	793.3
157.5°	494.4	538.4	656.1	737.0	765.7
160°	502.6	533.3	628.5	705.3	728.8
162.5°	507.7	530.2	599.8	667.4	686.9
165°	512.8	527.2	573.2	629.5	649.0
167.5°	515.9	525.1	554.8	589.6	607.0
170°	520.0	524.1	540.5	561.0	565.0
172.5°	522.1	524.1	531.3	541.5	542.5
175°	523.1	524.1	525.1	530.2	527.2
177.5°	524.1	525.1	522.1	525.1	521.0
180°	523.1	523.1	523.1	523.1	523.1

(END OF REPORT)