

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: P253612

Luminaire Tested: **J3-UL-80L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-80L93050-1D-UNV-W2A-W-4 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7456.6 lumens
Efficiency: N/A
Efficacy: 114.9 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

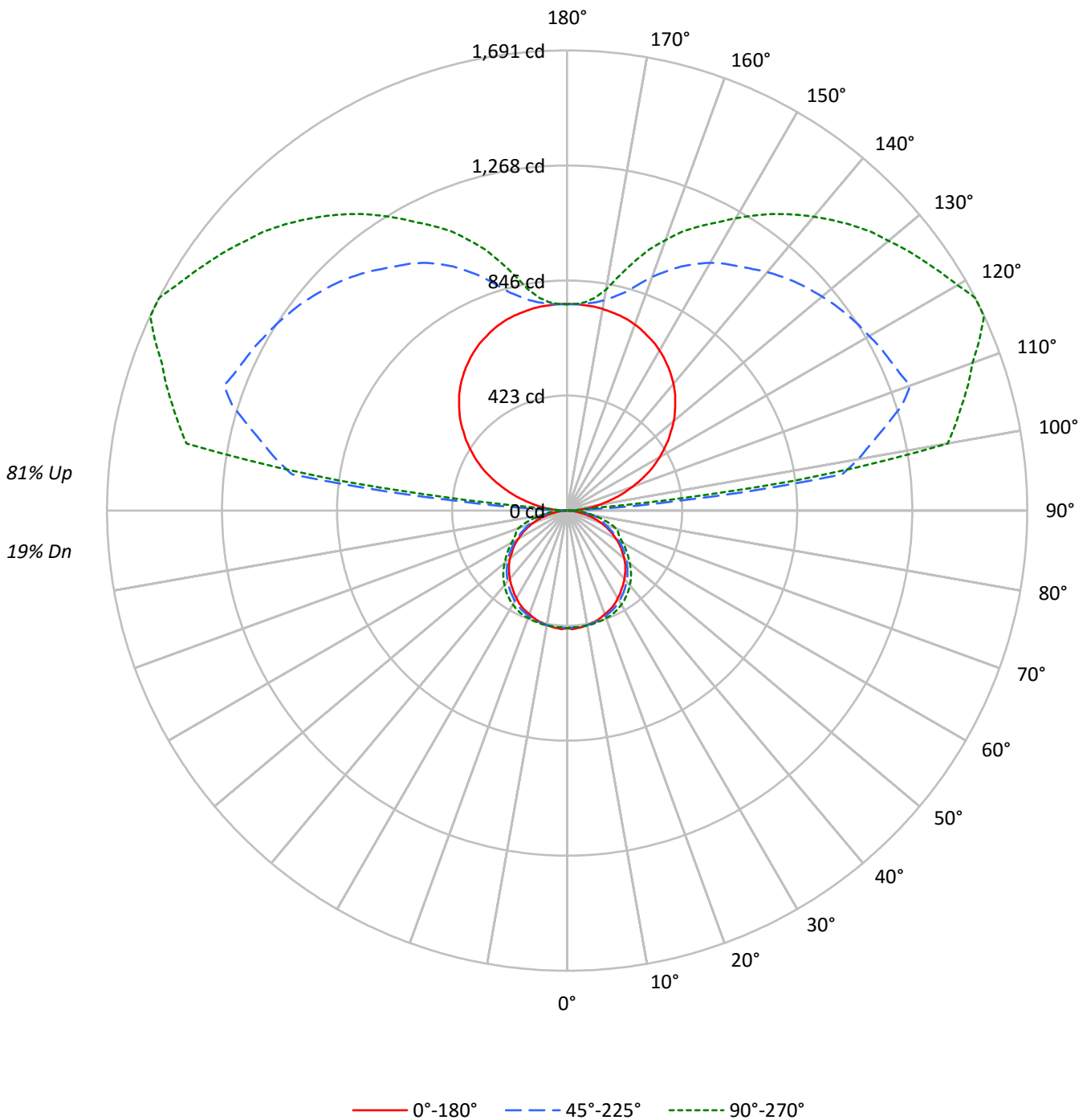
Input Watts (W): 64.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3491	3491	3491
5°	3514	3484	3484
10°	3504	3504	3514
15°	3500	3521	3552
20°	3481	3545	3608
25°	3488	3566	3675
30°	3466	3581	3719
35°	3445	3579	3750
40°	3450	3580	3776
45°	3456	3583	3794
50°	3445	3568	3770
55°	3407	3547	3773
60°	3350	3510	3789
65°	3280	3469	3989
70°	3120	3498	4489
75°	2891	4008	4507
80°	2469	4077	4482
85°	1945	4576	5150



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.1	0.6
10°-20°	119.4	1.6
20°-30°	185.0	2.5
30°-40°	228.2	3.1
40°-50°	243.3	3.3
50°-60°	226.8	3.0
60°-70°	185.2	2.5
70°-80°	127.7	1.7
80°-90°	50.5	0.7
90°-100°	439.4	5.9
100°-110°	1126.3	15.1
110°-120°	1166.2	15.6
120°-130°	1038.3	13.9
130°-140°	864.5	11.6
140°-150°	658.2	8.8
150°-160°	442.9	5.9
160°-170°	240.1	3.2
170°-180°	73.6	1.0
0°-30°	345.5	4.6
0°-40°	573.7	7.7
0°-60°	1043.7	14.0
0°-90°	1407.1	18.9
90°-120°	2731.8	36.6
90°-150°	5292.9	71.0
90°-180°	6050.0	81.1
0°-180°	7456.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	432	432	432	432	432	
5°	434	432	430	430	430	41
15°	419	420	421	426	425	118
25°	392	394	400	409	413	180
35°	350	355	363	374	380	219
45°	303	305	314	325	332	233
55°	242	246	252	261	268	216
65°	172	175	182	199	209	169
75°	93	99	128	143	144	98
85°	21	40	49	57	56	25
90°	2	4	5	4	4	7
95°	62	489	410	60	59	62
105°	185	777	1214	1434	1502	196
115°	327	806	1308	1630	1690	322
125°	455	824	1255	1524	1600	405
135°	561	846	1187	1413	1482	434
145°	646	828	1096	1276	1330	404
155°	705	788	990	1117	1153	326
165°	742	767	831	914	945	210
175°	757	761	762	767	768	72
180°	758	758	758	758	758	



TEST NUMBER: P253612

CATALOG NUMBER: J3-UL-80L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	432.4	432.4	432.4	432.4	432.4
2.5°	436.1	433.6	429.9	429.9	428.7
5°	433.6	432.4	429.9	429.9	429.9
7.5°	431.1	431.1	428.7	429.9	428.7
10°	427.4	428.7	427.4	429.9	428.7
12.5°	422.5	425.0	425.0	428.7	427.4
15°	418.8	420.0	421.3	426.2	425.0
17.5°	412.6	415.1	417.6	423.7	423.7
20°	405.2	408.9	412.6	420.0	420.0
22.5°	399.0	402.7	406.4	415.1	417.6
25°	391.6	394.1	400.3	408.9	412.6
27.5°	383.0	385.4	392.8	401.5	406.4
30°	371.8	376.8	384.2	394.1	399.0
32.5°	362.0	366.9	373.1	385.4	390.4
35°	349.6	354.6	363.2	374.3	380.5
37.5°	339.7	344.7	352.1	363.2	370.6
40°	327.4	331.1	339.7	350.8	358.3
42.5°	315.0	320.0	327.4	339.7	345.9
45°	302.7	305.1	313.8	324.9	332.3
47.5°	289.1	291.5	299.0	311.3	316.3
50°	274.3	278.0	284.1	295.3	300.2
52.5°	257.0	261.9	269.3	278.0	284.1
55°	242.1	245.8	252.0	260.7	268.1
57.5°	226.1	229.8	236.0	244.6	252.0
60°	207.5	211.2	217.4	228.5	234.7
62.5°	189.0	194.0	198.9	210.0	221.1
65°	171.7	175.4	181.6	198.9	208.8
67.5°	152.0	156.9	163.1	187.8	202.6
70°	132.2	137.1	148.2	181.6	190.2
72.5°	113.7	117.4	135.9	168.0	170.5
75°	92.7	98.8	128.5	143.3	144.5
77.5°	71.7	80.3	109.9	119.8	121.1
80°	53.1	66.7	87.7	95.1	96.4
82.5°	37.1	56.8	67.9	74.1	74.1
85°	21.0	39.5	49.4	56.8	55.6
87.5°	12.4	25.9	37.1	43.2	42.0
90°	2.5	3.7	4.9	3.7	3.7
92.5°	32.1	103.8	28.4	28.4	27.2
95°	61.8	489.2	410.1	60.5	59.3
97.5°	88.9	594.2	1019.2	1216.8	846.2
100°	119.8	706.6	1085.9	1340.4	1420.7
102.5°	149.5	754.8	1145.2	1381.1	1461.4
105°	185.3	777.0	1214.4	1434.3	1502.2
107.5°	219.9	788.2	1291.0	1480.0	1545.5
110°	254.5	795.6	1341.6	1531.9	1585.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	290.3	800.5	1321.8	1593.6	1639.3
115°	327.4	805.5	1308.3	1629.5	1690.0
117.5°	360.7	809.2	1297.1	1594.9	1691.2
120°	392.8	814.1	1282.3	1570.2	1656.6
122.5°	422.5	820.3	1270.0	1547.9	1628.2
125°	454.6	824.0	1255.1	1524.4	1599.8
127.5°	481.8	828.9	1240.3	1496.0	1572.6
130°	511.4	837.6	1223.0	1471.3	1541.7
132.5°	537.4	843.8	1205.7	1444.1	1515.8
135°	560.9	846.2	1187.2	1413.3	1482.4
137.5°	586.8	845.0	1166.2	1382.4	1446.6
140°	607.8	840.1	1144.0	1349.0	1409.6
142.5°	627.6	836.3	1119.2	1314.4	1371.3
145°	646.1	827.7	1095.8	1276.1	1330.5
147.5°	663.4	819.1	1076.0	1236.6	1286.0
150°	679.5	806.7	1051.3	1190.9	1240.3
152.5°	694.3	796.8	1021.7	1151.4	1193.4
155°	705.4	788.2	989.5	1116.8	1152.6
157.5°	717.8	782.0	951.2	1072.3	1110.6
160°	727.6	775.8	914.2	1021.7	1057.5
162.5°	736.3	770.9	870.9	972.2	1006.8
165°	742.5	767.2	831.4	914.2	945.1
167.5°	747.4	763.5	805.5	853.6	883.3
170°	752.3	762.2	784.5	812.9	824.0
172.5°	756.0	762.2	770.9	784.5	789.4
175°	757.3	761.0	762.2	767.2	768.4
177.5°	759.8	762.2	758.5	759.8	759.8
180°	758.5	758.5	758.5	758.5	758.5

(END OF REPORT)