

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: P253613

Luminaire Tested: **J3-UL-80L93050-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253613
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7455.3 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

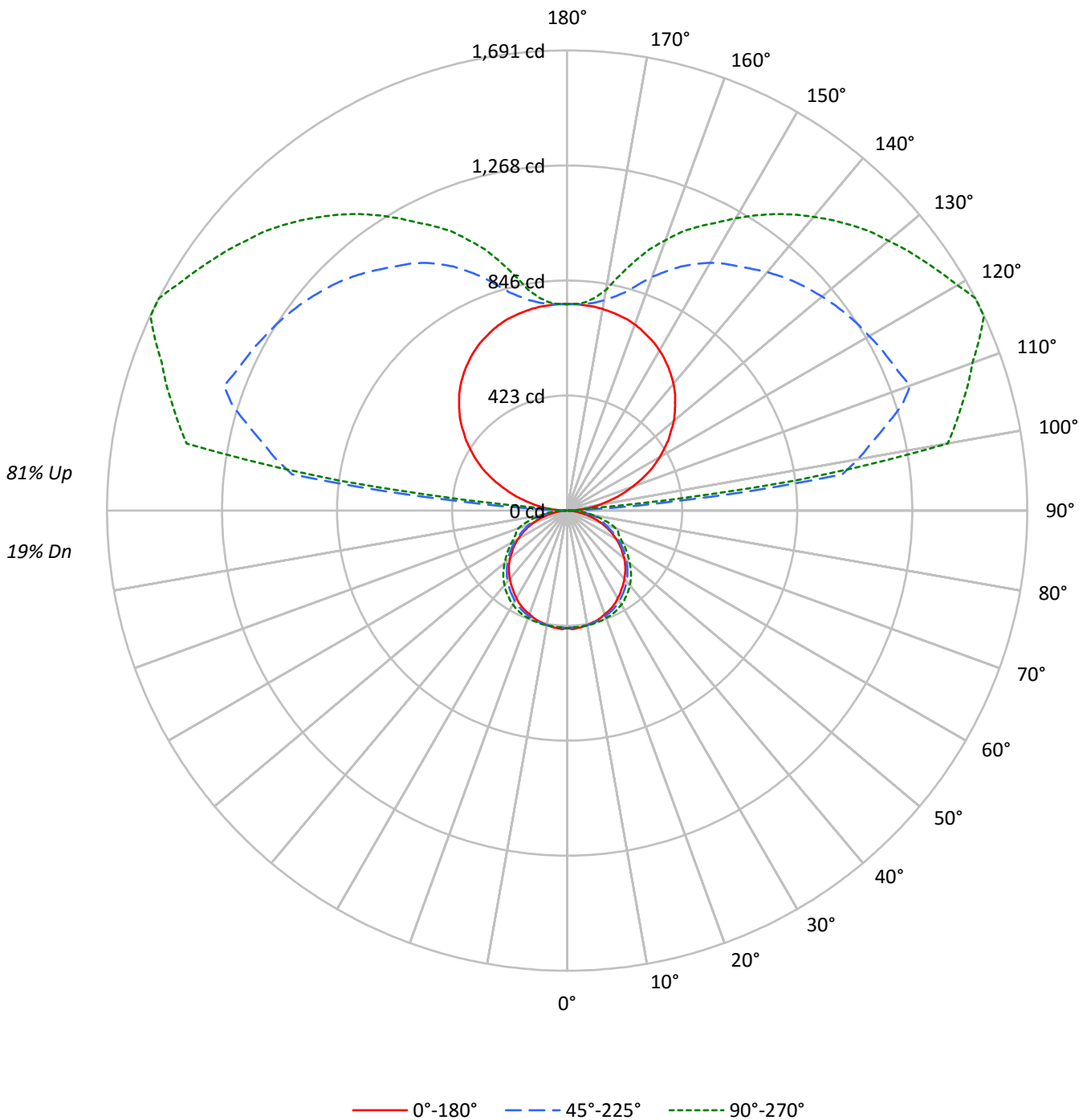
Input Watts (W): 64.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3490	3490	3490
5°	3513	3483	3483
10°	3504	3504	3513
15°	3499	3520	3551
20°	3480	3544	3607
25°	3487	3565	3674
30°	3466	3581	3719
35°	3444	3578	3749
40°	3449	3580	3775
45°	3455	3581	3794
50°	3444	3568	3769
55°	3407	3547	3772
60°	3350	3510	3789
65°	3280	3469	3987
70°	3120	3498	4489
75°	2888	4008	4507
80°	2469	4077	4477
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°	243.2	3.3
50°-60°	226.7	3.0
60°-70°	185.2	2.5
70°-80°	127.6	1.7
80°-90°	50.5	0.7
90°-100°	439.3	5.9
100°-110°	1126.1	15.1
110°-120°	1166.0	15.6
120°-130°	1038.1	13.9
130°-140°	864.4	11.6
140°-150°	658.1	8.8
150°-160°	442.8	5.9
160°-170°	240.1	3.2
170°-180°	73.6	1.0
0°-30°	345.4	4.6
0°-40°	573.6	7.7
0°-60°	1043.6	14.0
0°-90°	1406.9	18.9
90°-120°	2731.3	36.6
90°-150°	5291.9	71.0
90°-180°	6048.0	81.1
0°-180°	7455.3	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	412	180
35°	350	354	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	805	1308	1629	1690	322
125°	454	824	1255	1524	1600	405
135°	561	846	1187	1413	1482	434
145°	646	828	1096	1276	1330	404
155°	705	788	989	1117	1152	326
165°	742	767	831	914	945	210
175°	757	761	762	767	768	72
180°	758	758	758	758	758	



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CATALOG NUMBER: J3-UL-80L93050-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	432.3	432.3	432.3	432.3	432.3
2.5°	436.0	433.5	429.8	429.8	428.6
5°	433.5	432.3	429.8	429.8	429.8
7.5°	431.1	431.1	428.6	429.8	428.6
10°	427.4	428.6	427.4	429.8	428.6
12.5°	422.4	424.9	424.9	428.6	427.4
15°	418.7	419.9	421.2	426.1	424.9
17.5°	412.5	415.0	417.5	423.7	423.7
20°	405.1	408.8	412.5	419.9	419.9
22.5°	399.0	402.7	406.4	415.0	417.5
25°	391.5	394.0	400.2	408.8	412.5
27.5°	382.9	385.4	392.8	401.4	406.4
30°	371.8	376.7	384.1	394.0	399.0
32.5°	361.9	366.8	373.0	385.4	390.3
35°	349.5	354.5	363.1	374.2	380.4
37.5°	339.7	344.6	352.0	363.1	370.5
40°	327.3	331.0	339.7	350.8	358.2
42.5°	315.0	319.9	327.3	339.7	345.8
45°	302.6	305.1	313.7	324.8	332.3
47.5°	289.0	291.5	298.9	311.3	316.2
50°	274.2	277.9	284.1	295.2	300.1
52.5°	256.9	261.9	269.3	277.9	284.1
55°	242.1	245.8	252.0	260.6	268.0
57.5°	226.0	229.7	235.9	244.6	252.0
60°	207.5	211.2	217.4	228.5	234.7
62.5°	189.0	193.9	198.9	210.0	221.1
65°	171.7	175.4	181.6	198.9	208.7
67.5°	151.9	156.9	163.0	187.7	202.6
70°	132.2	137.1	148.2	181.6	190.2
72.5°	113.6	117.3	135.9	168.0	170.5
75°	92.6	98.8	128.5	143.3	144.5
77.5°	71.6	80.3	109.9	119.8	121.0
80°	53.1	66.7	87.7	95.1	96.3
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	489.1	410.1	60.5	59.3
97.5°	88.9	594.1	1019.0	1216.6	846.1
100°	119.8	706.5	1085.7	1340.1	1420.4
102.5°	149.5	754.7	1145.0	1380.9	1461.2
105°	185.3	776.9	1214.1	1434.0	1501.9
107.5°	219.9	788.0	1290.7	1479.7	1545.2
110°	254.4	795.4	1341.4	1531.6	1584.7



TEST NUMBER: P253613

CATALOG NUMBER: J3-UL-80L93050-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	290.3	800.4	1321.6	1593.3	1639.0
115°	327.3	805.3	1308.0	1629.2	1689.7
117.5°	360.7	809.0	1296.9	1594.6	1690.9
120°	392.8	814.0	1282.1	1569.9	1656.3
122.5°	422.4	820.1	1269.7	1547.6	1627.9
125°	454.5	823.8	1254.9	1524.2	1599.5
127.5°	481.7	828.8	1240.1	1495.8	1572.3
130°	511.4	837.4	1222.8	1471.1	1541.5
132.5°	537.3	843.6	1205.5	1443.9	1515.5
135°	560.8	846.1	1187.0	1413.0	1482.2
137.5°	586.7	844.8	1166.0	1382.1	1446.4
140°	607.7	839.9	1143.7	1348.8	1409.3
142.5°	627.5	836.2	1119.0	1314.2	1371.0
145°	646.0	827.5	1095.6	1275.9	1330.3
147.5°	663.3	818.9	1075.8	1236.4	1285.8
150°	679.3	806.6	1051.1	1190.7	1240.1
152.5°	694.2	796.7	1021.5	1151.2	1193.2
155°	705.3	788.0	989.4	1116.6	1152.4
157.5°	717.6	781.8	951.1	1072.1	1110.4
160°	727.5	775.7	914.0	1021.5	1057.3
162.5°	736.1	770.7	870.8	972.1	1006.6
165°	742.3	767.0	831.3	914.0	944.9
167.5°	747.3	763.3	805.3	853.5	883.1
170°	752.2	762.1	784.3	812.7	823.8
172.5°	755.9	762.1	770.7	784.3	789.3
175°	757.1	760.9	762.1	767.0	768.3
177.5°	759.6	762.1	758.4	759.6	759.6
180°	758.4	758.4	758.4	758.4	758.4

(END OF REPORT)