

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: P275166

Luminaire Tested: **J3-FL-80L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-80L92765-1D-UNV-W2A-W-4 (6500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED 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: 7261.6 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

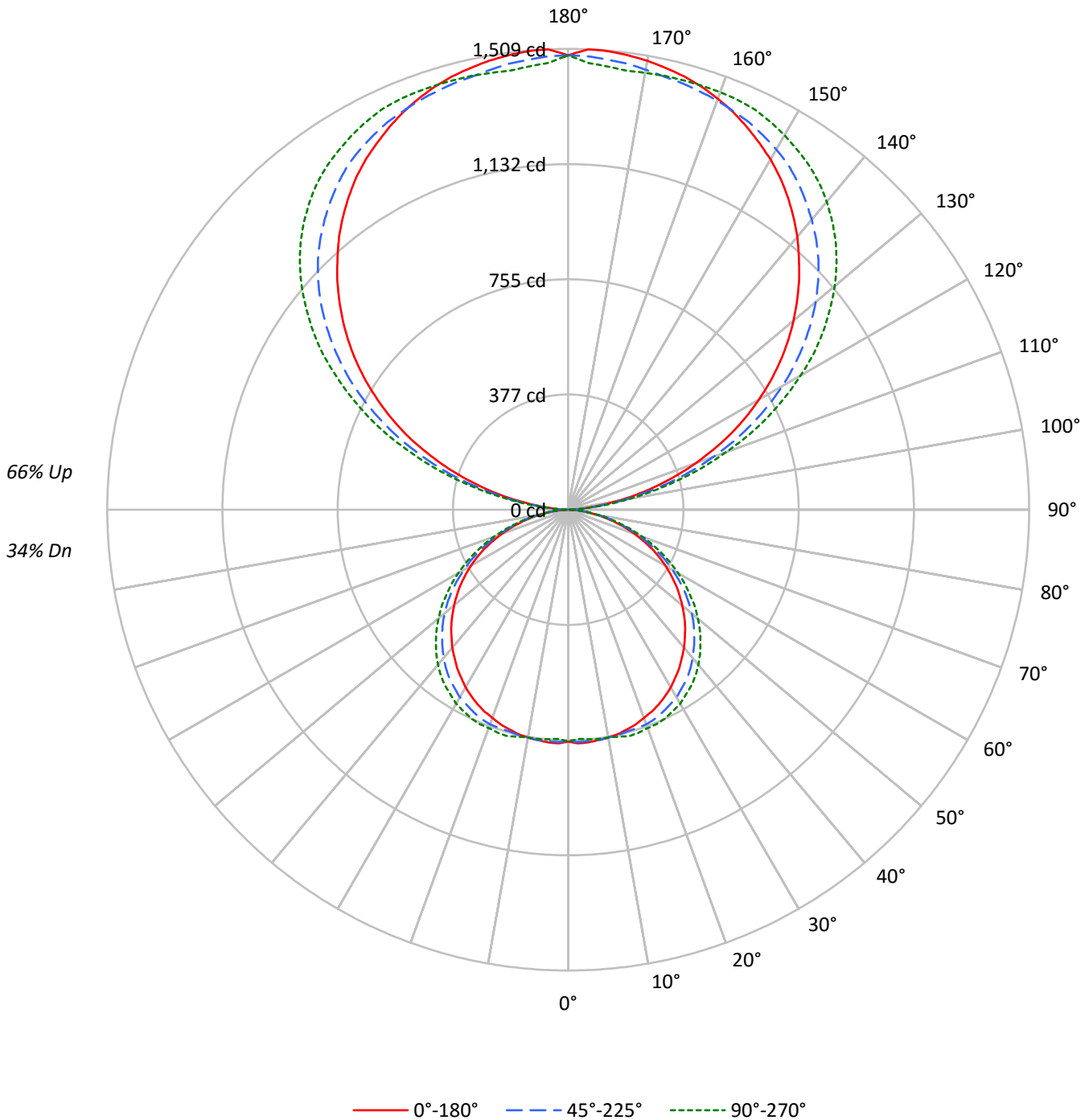
Input Watts (W): 65.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6130	6130	6130
5°	6193	6167	6113
10°	6210	6210	6210
15°	6222	6278	6416
20°	6229	6426	6538
25°	6258	6518	6706
30°	6260	6608	6838
35°	6246	6663	6923
40°	6218	6679	6988
45°	6178	6661	6994
50°	6119	6631	6959
55°	6054	6539	6857
60°	5942	6368	6710
65°	5757	6128	6478
70°	5424	5773	6073
75°	4981	5287	5540
80°	4324	4621	4784
85°	3464	3594	3788



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	1.0
10°-20°	213.0	2.9
20°-30°	335.5	4.6
30°-40°	419.3	5.8
40°-50°	446.9	6.2
50°-60°	412.1	5.7
60°-70°	316.5	4.4
70°-80°	179.3	2.5
80°-90°	47.3	0.7
90°-100°	76.1	1.0
100°-110°	358.3	4.9
110°-120°	649.3	8.9
120°-130°	834.1	11.5
130°-140°	887.3	12.2
140°-150°	816.5	11.2
150°-160°	646.5	8.9
160°-170°	410.4	5.7
170°-180°	140.8	1.9
0°-30°	621.0	8.6
0°-40°	1040.3	14.3
0°-60°	1899.2	26.2
0°-90°	2442.3	33.6
90°-120°	1083.7	14.9
90°-150°	3621.6	49.9
90°-180°	4819.0	66.4
0°-180°	7261.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	759	759	759	759	759	
5°	764	758	761	759	754	73
15°	744	741	751	764	768	210
25°	702	704	732	746	753	324
35°	634	645	676	693	702	396
45°	541	556	583	601	613	417
55°	430	443	465	479	487	384
65°	301	308	321	332	339	297
75°	160	163	170	176	178	170
85°	37	39	39	41	41	42
90°	2	2	2	0	0	5
95°	50	52	57	60	64	65
105°	300	313	342	363	373	317
115°	587	611	663	704	724	579
125°	847	874	940	992	1020	756
135°	1069	1085	1159	1209	1239	824
145°	1252	1247	1310	1351	1375	783
155°	1384	1364	1400	1429	1446	638
165°	1468	1446	1446	1450	1455	415
175°	1507	1490	1479	1468	1457	143
180°	1488	1488	1488	1488	1488	



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CATALOG NUMBER: J3-FL-80L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	759.3	759.3	759.3	759.3	759.3
2.5°	765.9	759.3	761.0	761.0	751.2
5°	764.2	757.5	761.0	759.3	754.4
7.5°	761.0	756.1	761.0	761.0	757.5
10°	757.5	752.9	757.5	759.3	757.5
12.5°	752.9	748.0	756.1	759.3	761.0
15°	744.5	741.3	751.2	764.2	767.7
17.5°	736.7	734.9	749.7	764.2	765.9
20°	725.1	725.1	748.0	759.3	761.0
22.5°	715.5	715.5	741.3	752.9	759.3
25°	702.5	703.9	731.7	746.5	752.9
27.5°	687.7	692.6	720.2	736.7	743.1
30°	671.5	679.6	708.9	725.1	733.5
32.5°	652.1	663.1	692.6	708.9	717.0
35°	633.8	645.4	676.1	692.6	702.5
37.5°	611.2	625.7	656.7	672.9	684.5
40°	590.0	604.8	633.8	652.1	663.1
42.5°	565.4	581.6	609.5	627.4	638.7
45°	541.1	555.5	583.4	601.3	612.6
47.5°	515.0	529.8	557.6	573.8	584.8
50°	487.2	503.4	528.0	544.2	554.1
52.5°	459.3	474.1	497.0	513.5	523.1
55°	430.1	443.1	464.6	479.3	487.2
57.5°	399.1	412.1	430.1	444.8	453.0
60°	368.0	377.9	394.4	408.9	415.6
62.5°	335.6	344.0	358.5	370.1	377.9
65°	301.4	308.1	320.8	332.4	339.1
67.5°	265.7	272.1	283.4	293.3	298.2
70°	229.8	236.2	244.6	252.4	257.3
72.5°	195.3	198.8	206.9	213.6	216.8
75°	159.7	162.9	169.5	175.9	177.6
77.5°	127.2	128.7	133.9	137.1	138.5
80°	93.0	96.2	99.4	100.9	102.9
82.5°	63.5	65.2	66.7	68.4	69.8
85°	37.4	38.8	38.8	40.9	40.9
87.5°	16.2	18.0	18.0	18.0	18.0
90°	1.7	1.7	1.7	0.0	0.0
92.5°	16.2	16.2	18.0	19.4	21.2
95°	50.4	52.2	57.1	60.3	63.5
97.5°	100.9	104.3	113.9	122.3	125.5
100°	162.9	169.5	184.3	195.3	200.5
102.5°	229.8	239.4	260.8	277.0	285.2
105°	299.9	313.0	342.3	363.4	373.3
107.5°	371.5	388.0	425.4	449.8	462.8
110°	443.1	464.6	505.1	537.6	547.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	515.0	537.6	586.6	622.5	640.5
115°	586.6	611.2	663.1	703.9	723.6
117.5°	655.2	681.0	738.1	783.9	801.6
120°	720.2	748.0	810.0	857.2	878.4
122.5°	785.4	811.7	876.6	927.1	953.4
125°	847.4	873.5	940.4	992.3	1020.1
127.5°	906.2	930.3	1000.7	1054.3	1080.4
130°	963.0	985.9	1057.5	1109.9	1139.2
132.5°	1016.9	1038.1	1109.9	1160.4	1191.4
135°	1069.1	1085.3	1158.6	1209.1	1238.6
137.5°	1117.8	1129.4	1201.2	1251.7	1279.5
140°	1166.7	1170.2	1240.1	1287.3	1316.6
142.5°	1210.8	1209.1	1276.0	1321.5	1349.3
145°	1251.7	1246.7	1310.2	1350.8	1375.4
147.5°	1290.5	1279.5	1339.5	1373.9	1396.6
150°	1324.7	1310.2	1362.4	1396.6	1416.0
152.5°	1354.0	1337.7	1381.8	1412.8	1432.2
155°	1383.5	1364.1	1399.7	1429.0	1445.5
157.5°	1409.6	1385.0	1412.8	1438.9	1452.2
160°	1432.2	1408.1	1425.8	1445.5	1455.4
162.5°	1452.2	1427.6	1435.7	1447.0	1455.4
165°	1468.4	1445.5	1445.5	1450.2	1455.4
167.5°	1481.2	1461.8	1452.2	1453.6	1455.4
170°	1492.8	1473.1	1463.2	1453.6	1452.2
172.5°	1500.9	1481.2	1473.1	1460.0	1450.2
175°	1507.3	1489.6	1479.4	1468.4	1456.8
177.5°	1509.0	1494.2	1486.1	1474.8	1464.9
180°	1487.8	1487.8	1487.8	1487.8	1487.8

(END OF REPORT)