

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: P275157

Luminaire Tested: **J3-FL-80L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-80L82765-1D-UNV-W2A-W-4 (5700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7980.9 lumens
Efficiency: N/A
Efficacy: 124.7 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

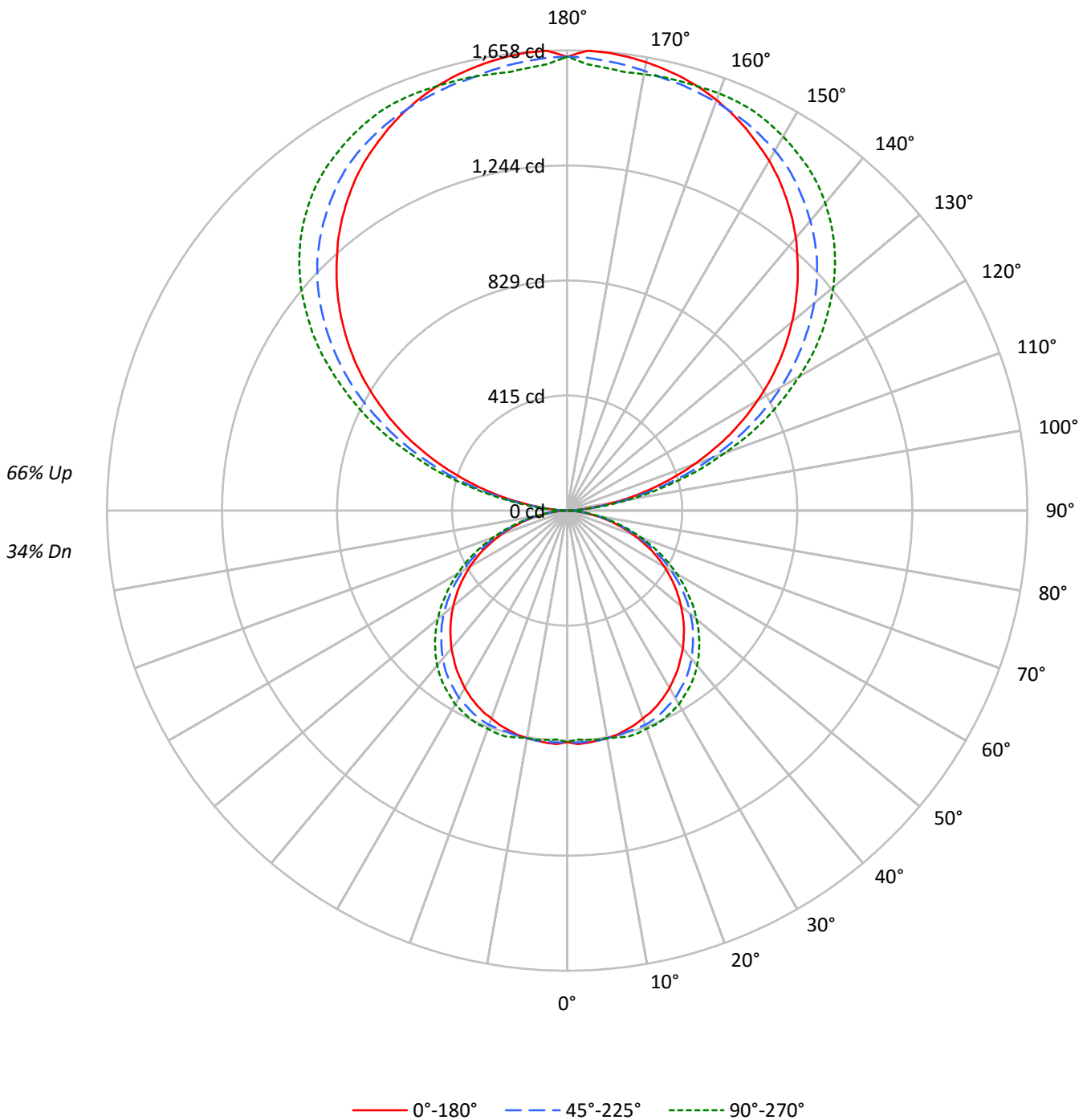
Input Watts (W): 64
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6737	6737	6737
5°	6806	6778	6719
10°	6825	6825	6825
15°	6838	6900	7051
20°	6846	7063	7186
25°	6877	7163	7371
30°	6880	7263	7514
35°	6865	7323	7609
40°	6834	7341	7679
45°	6790	7320	7687
50°	6724	7288	7649
55°	6653	7187	7536
60°	6531	6999	7374
65°	6327	6735	7119
70°	5962	6345	6675
75°	5474	5811	6089
80°	4751	5077	5258
85°	3807	3955	4159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	1.0
10°-20°	234.1	2.9
20°-30°	368.8	4.6
30°-40°	460.8	5.8
40°-50°	491.1	6.2
50°-60°	452.9	5.7
60°-70°	347.8	4.4
70°-80°	197.1	2.5
80°-90°	51.9	0.7
90°-100°	83.7	1.0
100°-110°	393.8	4.9
110°-120°	713.7	8.9
120°-130°	916.7	11.5
130°-140°	975.2	12.2
140°-150°	897.3	11.2
150°-160°	710.6	8.9
160°-170°	451.1	5.7
170°-180°	154.7	1.9
0°-30°	682.5	8.6
0°-40°	1143.3	14.3
0°-60°	2087.3	26.2
0°-90°	2684.2	33.6
90°-120°	1191.1	14.9
90°-150°	3980.3	49.9
90°-180°	5297.0	66.4
0°-180°	7980.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	834	834	834	834	834	
5°	840	833	836	834	829	80
15°	818	815	826	840	844	231
25°	772	774	804	820	828	356
35°	697	709	743	761	772	435
45°	595	611	641	661	673	458
55°	473	487	511	527	535	422
65°	331	339	353	365	373	327
75°	176	179	186	193	195	187
85°	41	43	43	45	45	46
90°	2	2	2	0	0	5
95°	55	57	63	66	70	72
105°	330	344	376	399	410	349
115°	645	672	729	774	795	636
125°	931	960	1034	1091	1121	831
135°	1175	1193	1273	1329	1361	906
145°	1376	1370	1440	1485	1512	861
155°	1521	1499	1538	1571	1589	701
165°	1614	1589	1589	1594	1600	456
175°	1657	1637	1626	1614	1601	158
180°	1635	1635	1635	1635	1635	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	834.5	834.5	834.5	834.5	834.5
2.5°	841.8	834.5	836.4	836.4	825.6
5°	839.9	832.6	836.4	834.5	829.1
7.5°	836.4	831.0	836.4	836.4	832.6
10°	832.6	827.5	832.6	834.5	832.6
12.5°	827.5	822.1	831.0	834.5	836.4
15°	818.2	814.7	825.6	839.9	843.7
17.5°	809.6	807.7	824.0	839.9	841.8
20°	796.9	796.9	822.1	834.5	836.4
22.5°	786.4	786.4	814.7	827.5	834.5
25°	772.1	773.7	804.2	820.5	827.5
27.5°	755.8	761.2	791.5	809.6	816.7
30°	738.0	746.9	779.1	796.9	806.1
32.5°	716.6	728.7	761.2	779.1	788.0
35°	696.6	709.3	743.1	761.2	772.1
37.5°	671.7	687.7	721.7	739.6	752.3
40°	648.5	664.7	696.6	716.6	728.7
42.5°	621.4	639.2	669.8	689.6	702.0
45°	594.7	610.6	641.2	660.9	673.3
47.5°	566.0	582.2	612.8	630.6	642.7
50°	535.4	553.2	580.3	598.2	609.0
52.5°	504.8	521.1	546.2	564.4	574.9
55°	472.7	487.0	510.6	526.8	535.4
57.5°	438.6	452.9	472.7	488.9	497.8
60°	404.5	415.3	433.5	449.4	456.7
62.5°	368.8	378.1	394.0	406.7	415.3
65°	331.2	338.6	352.6	365.3	372.7
67.5°	292.1	299.1	311.5	322.3	327.7
70°	252.6	259.6	268.8	277.4	282.8
72.5°	214.7	218.5	227.4	234.7	238.2
75°	175.5	179.0	186.3	193.3	195.2
77.5°	139.8	141.4	147.2	150.7	152.2
80°	102.2	105.7	109.2	110.8	113.1
82.5°	69.8	71.7	73.3	75.2	76.8
85°	41.1	42.7	42.7	44.9	44.9
87.5°	17.8	19.7	19.7	19.7	19.7
90°	1.9	1.9	1.9	0.0	0.0
92.5°	17.8	17.8	19.7	21.3	23.3
95°	55.4	57.3	62.7	66.2	69.8
97.5°	110.8	114.7	125.2	134.4	137.9
100°	179.0	186.3	202.6	214.7	220.4
102.5°	252.6	263.1	286.7	304.5	313.4
105°	329.7	344.0	376.2	399.4	410.2
107.5°	408.3	426.5	467.6	494.3	508.7
110°	487.0	510.6	555.2	590.8	601.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	566.0	590.8	644.7	684.2	703.9
115°	644.7	671.7	728.7	773.7	795.3
117.5°	720.1	748.5	811.2	861.6	881.0
120°	791.5	822.1	890.2	942.1	965.4
122.5°	863.2	892.1	963.5	1018.9	1047.9
125°	931.3	960.0	1033.6	1090.6	1121.1
127.5°	996.0	1022.4	1099.8	1158.7	1187.4
130°	1058.4	1083.6	1162.2	1219.9	1252.0
132.5°	1117.6	1140.9	1219.9	1275.3	1309.4
135°	1175.0	1192.8	1273.4	1328.8	1361.3
137.5°	1228.5	1241.2	1320.2	1375.6	1406.2
140°	1282.3	1286.1	1362.9	1414.8	1447.0
142.5°	1330.7	1328.8	1402.4	1452.4	1483.0
145°	1375.6	1370.2	1440.0	1484.6	1511.6
147.5°	1418.3	1406.2	1472.1	1510.0	1534.9
150°	1455.9	1440.0	1497.3	1534.9	1556.2
152.5°	1488.1	1470.2	1518.6	1552.7	1574.1
155°	1520.6	1499.2	1538.4	1570.6	1588.7
157.5°	1549.2	1522.1	1552.7	1581.4	1596.0
160°	1574.1	1547.6	1567.1	1588.7	1599.5
162.5°	1596.0	1569.0	1577.9	1590.3	1599.5
165°	1613.9	1588.7	1588.7	1593.8	1599.5
167.5°	1627.9	1606.5	1596.0	1597.6	1599.5
170°	1640.6	1619.0	1608.1	1597.6	1596.0
172.5°	1649.5	1627.9	1619.0	1604.6	1593.8
175°	1656.6	1637.1	1626.0	1613.9	1601.1
177.5°	1658.5	1642.2	1633.3	1620.9	1610.1
180°	1635.2	1635.2	1635.2	1635.2	1635.2

(END OF REPORT)