

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: P275158

Luminaire Tested: **J3-FL-80L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275158
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-80L82765-1D-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, 80 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7996.2 lumens
Efficiency: N/A
Efficacy: 123.0 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

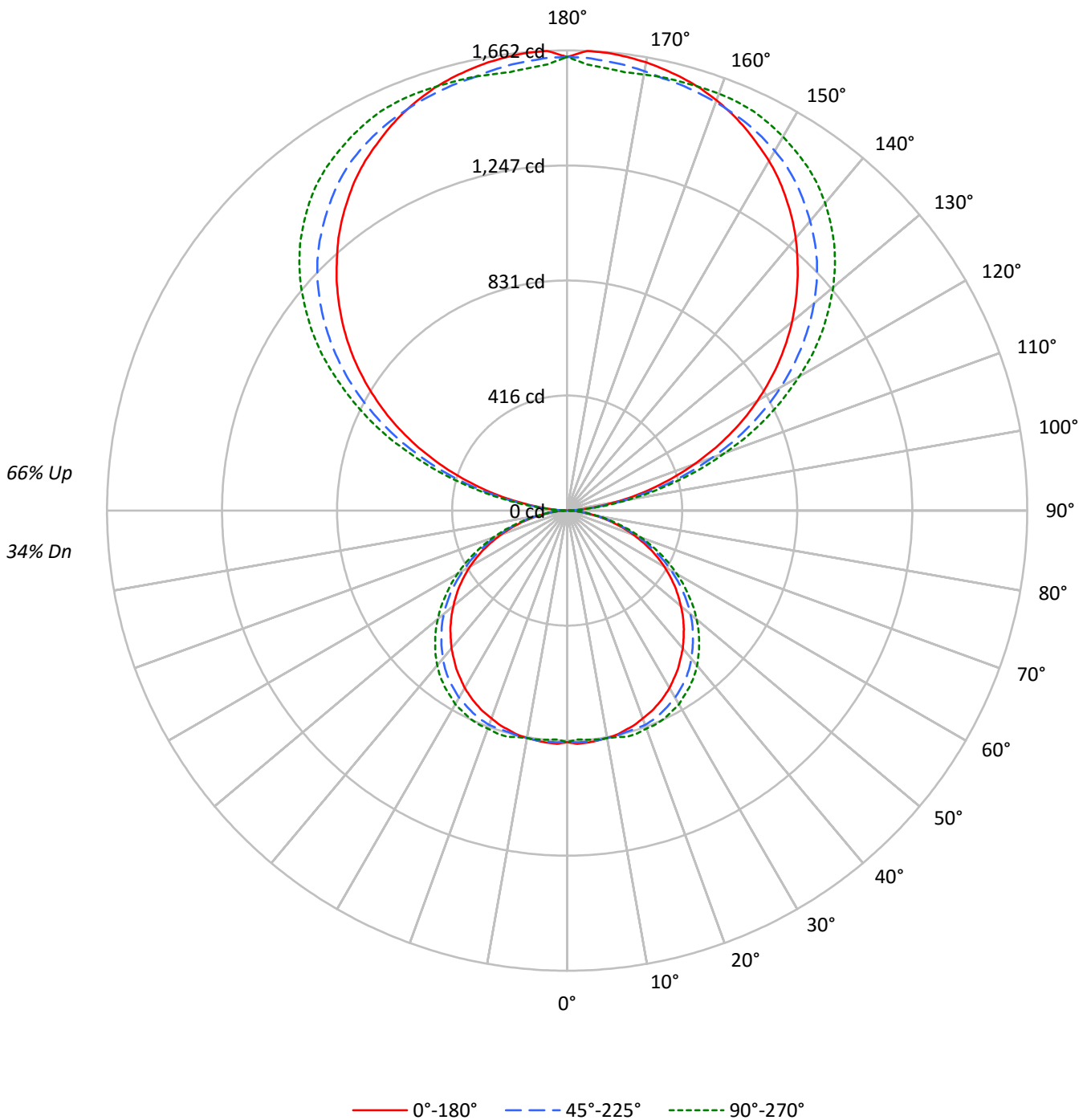
Input Watts (W): 65
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6750	6750	6750
5°	6819	6791	6732
10°	6838	6838	6838
15°	6852	6914	7065
20°	6859	7076	7199
25°	6890	7178	7385
30°	6893	7277	7529
35°	6878	7337	7623
40°	6847	7355	7694
45°	6802	7334	7702
50°	6737	7302	7664
55°	6666	7199	7550
60°	6544	7012	7388
65°	6340	6749	7133
70°	5974	6356	6689
75°	5483	5823	6101
80°	4761	5091	5267
85°	3816	3964	4168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	1.0
10°-20°	234.6	2.9
20°-30°	369.5	4.6
30°-40°	461.7	5.8
40°-50°	492.1	6.2
50°-60°	453.8	5.7
60°-70°	348.5	4.4
70°-80°	197.4	2.5
80°-90°	52.1	0.7
90°-100°	83.8	1.0
100°-110°	394.5	4.9
110°-120°	715.0	8.9
120°-130°	918.4	11.5
130°-140°	977.1	12.2
140°-150°	899.0	11.2
150°-160°	711.9	8.9
160°-170°	452.0	5.7
170°-180°	155.0	1.9
0°-30°	683.8	8.6
0°-40°	1145.5	14.3
0°-60°	2091.3	26.2
0°-90°	2689.3	33.6
90°-120°	1193.4	14.9
90°-150°	3987.9	49.9
90°-180°	5307.0	66.4
0°-180°	7996.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	836	836	836	836	836	
5°	842	834	838	836	831	80
15°	820	816	827	842	845	232
25°	774	775	806	822	829	356
35°	698	711	744	763	774	436
45°	596	612	642	662	675	459
55°	474	488	512	528	536	423
65°	332	339	353	366	373	327
75°	176	179	187	194	196	187
85°	41	43	43	45	45	47
90°	2	2	2	0	0	5
95°	56	57	63	66	70	72
105°	330	345	377	400	411	350
115°	646	673	730	775	797	637
125°	933	962	1036	1093	1123	833
135°	1177	1195	1276	1331	1364	908
145°	1378	1373	1443	1487	1514	862
155°	1524	1502	1541	1574	1592	702
165°	1617	1592	1592	1597	1603	457
175°	1660	1640	1629	1617	1604	158
180°	1638	1638	1638	1638	1638	



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CATALOG NUMBER: J3-FL-80L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	836.1	836.1	836.1	836.1	836.1
2.5°	843.4	836.1	838.0	838.0	827.2
5°	841.5	834.2	838.0	836.1	830.7
7.5°	838.0	832.6	838.0	838.0	834.2
10°	834.2	829.1	834.2	836.1	834.2
12.5°	829.1	823.6	832.6	836.1	838.0
15°	819.8	816.3	827.2	841.5	845.3
17.5°	811.2	809.3	825.6	841.5	843.4
20°	798.4	798.4	823.6	836.1	838.0
22.5°	787.9	787.9	816.3	829.1	836.1
25°	773.5	775.1	805.8	822.0	829.1
27.5°	757.3	762.7	793.0	811.2	818.2
30°	739.4	748.3	780.6	798.4	807.7
32.5°	718.0	730.1	762.7	780.6	789.5
35°	697.9	710.7	744.5	762.7	773.5
37.5°	673.0	689.0	723.1	741.0	753.8
40°	649.7	666.0	697.9	718.0	730.1
42.5°	622.6	640.5	671.1	690.9	703.3
45°	595.8	611.7	642.4	662.2	674.6
47.5°	567.1	583.3	614.0	631.9	644.0
50°	536.4	554.3	581.4	599.3	610.2
52.5°	505.8	522.1	547.3	565.5	576.0
55°	473.6	487.9	511.5	527.8	536.4
57.5°	439.4	453.8	473.6	489.8	498.8
60°	405.3	416.1	434.3	450.3	457.6
62.5°	369.5	378.8	394.7	407.5	416.1
65°	331.9	339.2	353.3	366.0	373.4
67.5°	292.6	299.7	312.1	322.9	328.4
70°	253.1	260.1	269.3	278.0	283.4
72.5°	215.1	218.9	227.8	235.2	238.7
75°	175.8	179.3	186.7	193.7	195.6
77.5°	140.1	141.7	147.4	150.9	152.5
80°	102.4	105.9	109.5	111.1	113.3
82.5°	69.9	71.8	73.4	75.3	76.9
85°	41.2	42.8	42.8	45.0	45.0
87.5°	17.9	19.8	19.8	19.8	19.8
90°	1.9	1.9	1.9	0.0	0.0
92.5°	17.9	17.9	19.8	21.4	23.3
95°	55.5	57.4	62.9	66.4	69.9
97.5°	111.1	114.9	125.4	134.7	138.2
100°	179.3	186.7	203.0	215.1	220.8
102.5°	253.1	263.6	287.2	305.1	314.0
105°	330.3	344.6	376.9	400.2	411.0
107.5°	409.1	427.3	468.5	495.3	509.6
110°	487.9	511.5	556.2	592.0	602.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	567.1	592.0	645.9	685.5	705.2
115°	645.9	673.0	730.1	775.1	796.8
117.5°	721.5	749.9	812.8	863.2	882.7
120°	793.0	823.6	891.9	943.9	967.2
122.5°	864.8	893.8	965.3	1020.9	1049.9
125°	933.1	961.8	1035.5	1092.7	1123.3
127.5°	997.9	1024.4	1101.9	1160.9	1189.7
130°	1060.4	1085.6	1164.5	1222.2	1254.5
132.5°	1119.8	1143.1	1222.2	1277.7	1311.9
135°	1177.2	1195.1	1275.8	1331.4	1363.9
137.5°	1230.8	1243.6	1322.7	1378.3	1408.9
140°	1284.8	1288.6	1365.5	1417.5	1449.8
142.5°	1333.3	1331.4	1405.1	1455.2	1485.8
145°	1378.3	1372.8	1442.7	1487.4	1514.5
147.5°	1421.0	1408.9	1475.0	1512.9	1537.8
150°	1458.7	1442.7	1500.2	1537.8	1559.2
152.5°	1490.9	1473.0	1521.6	1555.7	1577.1
155°	1523.5	1502.1	1541.3	1573.6	1591.8
157.5°	1552.2	1525.1	1555.7	1584.4	1599.1
160°	1577.1	1550.6	1570.1	1591.8	1602.6
162.5°	1599.1	1572.0	1580.9	1593.4	1602.6
165°	1617.0	1591.8	1591.8	1596.9	1602.6
167.5°	1631.0	1609.6	1599.1	1600.7	1602.6
170°	1643.8	1622.1	1611.2	1600.7	1599.1
172.5°	1652.7	1631.0	1622.1	1607.7	1596.9
175°	1659.7	1640.3	1629.1	1617.0	1604.2
177.5°	1661.6	1645.4	1636.4	1624.0	1613.1
180°	1638.3	1638.3	1638.3	1638.3	1638.3

(END OF REPORT)