

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: P275155

Luminaire Tested: **J3-FL-80L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275155
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 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7774.2 lumens
Efficiency: N/A
Efficacy: 122.4 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

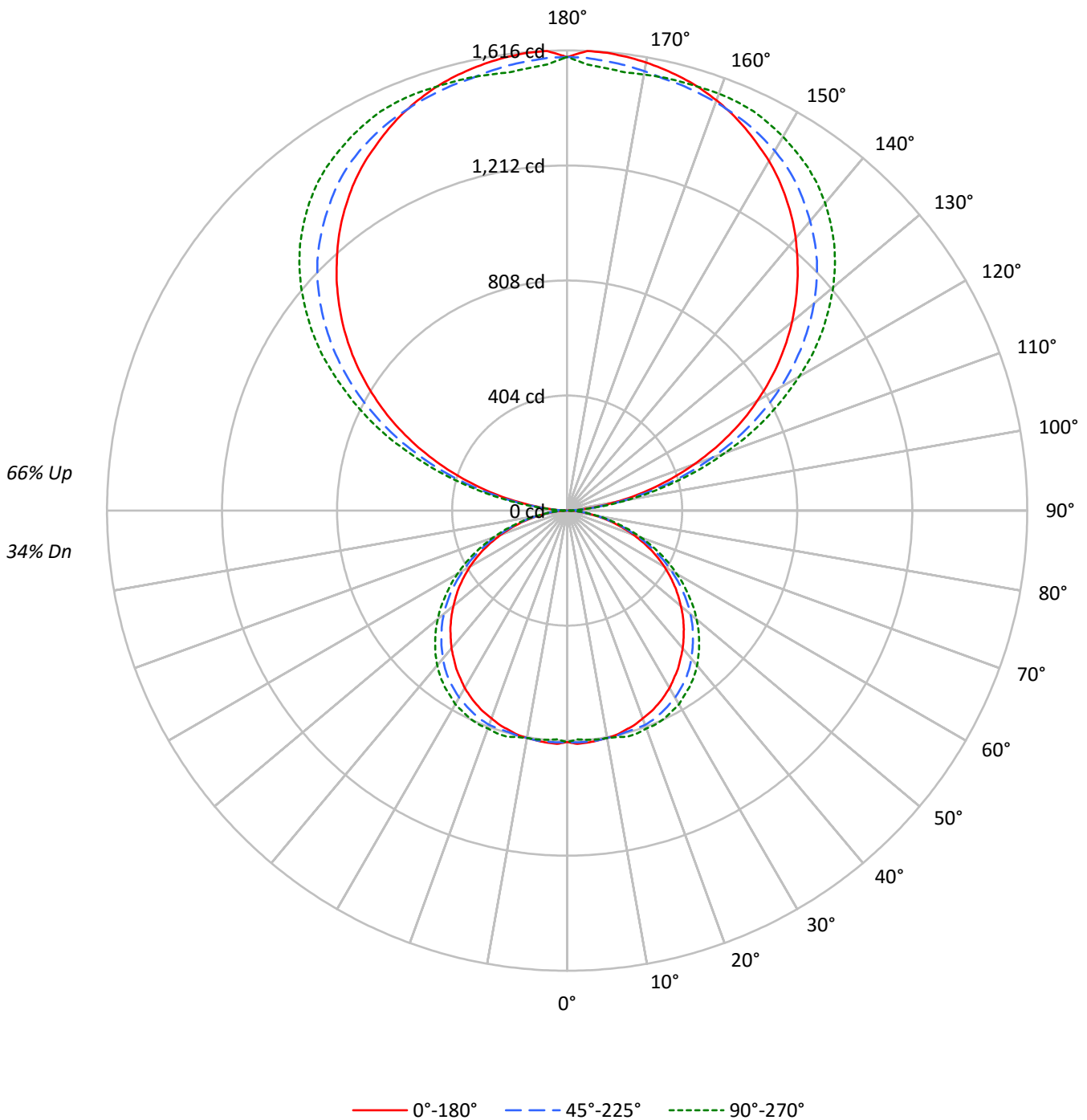
Input Watts (W): 63.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6562	6562	6562
5°	6631	6602	6545
10°	6648	6648	6648
15°	6662	6721	6869
20°	6669	6880	6999
25°	6699	6978	7180
30°	6701	7074	7320
35°	6687	7133	7412
40°	6657	7150	7481
45°	6614	7131	7488
50°	6550	7100	7450
55°	6480	6999	7340
60°	6361	6818	7183
65°	6164	6562	6934
70°	5807	6182	6503
75°	5334	5661	5933
80°	4630	4947	5119
85°	3705	3853	4048



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	1.0
10°-20°	228.1	2.9
20°-30°	359.2	4.6
30°-40°	448.8	5.8
40°-50°	478.4	6.2
50°-60°	441.2	5.7
60°-70°	338.8	4.4
70°-80°	192.0	2.5
80°-90°	50.6	0.7
90°-100°	81.5	1.0
100°-110°	383.5	4.9
110°-120°	695.2	8.9
120°-130°	893.0	11.5
130°-140°	950.0	12.2
140°-150°	874.1	11.2
150°-160°	692.2	8.9
160°-170°	439.4	5.7
170°-180°	150.7	1.9
0°-30°	664.9	8.6
0°-40°	1113.7	14.3
0°-60°	2033.3	26.2
0°-90°	2614.7	33.6
90°-120°	1160.2	14.9
90°-150°	3877.2	49.9
90°-180°	5160.0	66.4
0°-180°	7774.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	813	813	813	813	813	
5°	818	811	815	813	808	78
15°	797	794	804	818	822	225
25°	752	754	783	799	806	347
35°	678	691	724	742	752	424
45°	579	595	625	644	656	447
55°	460	474	497	513	522	411
65°	323	330	344	356	363	318
75°	171	174	182	188	190	182
85°	40	42	42	44	44	45
90°	2	2	2	0	0	5
95°	54	56	61	64	68	70
105°	321	335	366	389	400	340
115°	628	654	710	754	775	619
125°	907	935	1007	1062	1092	810
135°	1145	1162	1240	1294	1326	883
145°	1340	1335	1403	1446	1472	838
155°	1481	1460	1499	1530	1548	683
165°	1572	1548	1548	1552	1558	444
175°	1614	1595	1584	1572	1560	153
180°	1593	1593	1593	1593	1593	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	812.9	812.9	812.9	812.9	812.9
2.5°	820.0	812.9	814.7	814.7	804.2
5°	818.2	811.0	814.7	812.9	807.6
7.5°	814.7	809.5	814.7	814.7	811.0
10°	811.0	806.1	811.0	812.9	811.0
12.5°	806.1	800.8	809.5	812.9	814.7
15°	797.1	793.6	804.2	818.2	821.9
17.5°	788.7	786.8	802.6	818.2	820.0
20°	776.3	776.3	800.8	812.9	814.7
22.5°	766.0	766.0	793.6	806.1	812.9
25°	752.1	753.6	783.4	799.2	806.1
27.5°	736.3	741.5	771.0	788.7	795.5
30°	718.9	727.6	758.9	776.3	785.3
32.5°	698.1	709.9	741.5	758.9	767.6
35°	678.5	691.0	723.8	741.5	752.1
37.5°	654.3	669.9	703.1	720.4	732.8
40°	631.7	647.5	678.5	698.1	709.9
42.5°	605.3	622.7	652.5	671.7	683.8
45°	579.3	594.8	624.6	643.8	655.9
47.5°	551.3	567.2	596.9	614.3	626.1
50°	521.5	538.9	565.3	582.7	593.2
52.5°	491.8	507.6	532.1	549.8	560.0
55°	460.4	474.4	497.3	513.2	521.5
57.5°	427.2	441.2	460.4	476.3	484.9
60°	394.0	404.6	422.3	437.8	444.9
62.5°	359.3	368.3	383.8	396.2	404.6
65°	322.7	329.8	343.5	355.9	363.0
67.5°	284.5	291.3	303.4	314.0	319.3
70°	246.0	252.9	261.9	270.2	275.5
72.5°	209.1	212.8	221.5	228.7	232.1
75°	171.0	174.4	181.5	188.3	190.2
77.5°	136.2	137.8	143.3	146.8	148.3
80°	99.6	103.0	106.4	108.0	110.1
82.5°	67.9	69.8	71.4	73.2	74.8
85°	40.0	41.6	41.6	43.7	43.7
87.5°	17.4	19.2	19.2	19.2	19.2
90°	1.9	1.9	1.9	0.0	0.0
92.5°	17.4	17.4	19.2	20.8	22.6
95°	54.0	55.8	61.1	64.5	67.9
97.5°	108.0	111.7	121.9	130.9	134.3
100°	174.4	181.5	197.3	209.1	214.7
102.5°	246.0	256.3	279.2	296.6	305.3
105°	321.1	335.1	366.4	389.1	399.6
107.5°	397.8	415.4	455.5	481.5	495.5
110°	474.4	497.3	540.8	575.5	586.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	551.3	575.5	628.0	666.4	685.7
115°	628.0	654.3	709.9	753.6	774.7
117.5°	701.5	729.1	790.2	839.3	858.2
120°	771.0	800.8	867.2	917.8	940.4
122.5°	840.8	869.0	938.5	992.5	1020.8
125°	907.2	935.1	1006.8	1062.3	1092.1
127.5°	970.2	995.9	1071.3	1128.7	1156.7
130°	1031.0	1055.5	1132.1	1188.3	1219.6
132.5°	1088.7	1111.4	1188.3	1242.3	1275.5
135°	1144.6	1161.9	1240.4	1294.4	1326.1
137.5°	1196.7	1209.1	1286.0	1340.0	1369.8
140°	1249.1	1252.8	1327.6	1378.2	1409.5
142.5°	1296.3	1294.4	1366.1	1414.8	1444.6
145°	1340.0	1334.7	1402.7	1446.1	1472.5
147.5°	1381.6	1369.8	1434.0	1471.0	1495.2
150°	1418.2	1402.7	1458.5	1495.2	1515.9
152.5°	1449.5	1432.2	1479.3	1512.5	1533.3
155°	1481.2	1460.4	1498.6	1529.9	1547.6
157.5°	1509.1	1482.7	1512.5	1540.4	1554.7
160°	1533.3	1507.6	1526.5	1547.6	1558.1
162.5°	1554.7	1528.3	1537.0	1549.1	1558.1
165°	1572.1	1547.6	1547.6	1552.5	1558.1
167.5°	1585.7	1565.0	1554.7	1556.3	1558.1
170°	1598.2	1577.1	1566.5	1556.3	1554.7
172.5°	1606.8	1585.7	1577.1	1563.1	1552.5
175°	1613.7	1594.7	1583.9	1572.1	1559.7
177.5°	1615.5	1599.7	1591.0	1578.9	1568.4
180°	1592.9	1592.9	1592.9	1592.9	1592.9

(END OF REPORT)