

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: P275203

Luminaire Tested: **J3-UL-40L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-40L82765-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN 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: 4077.0 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

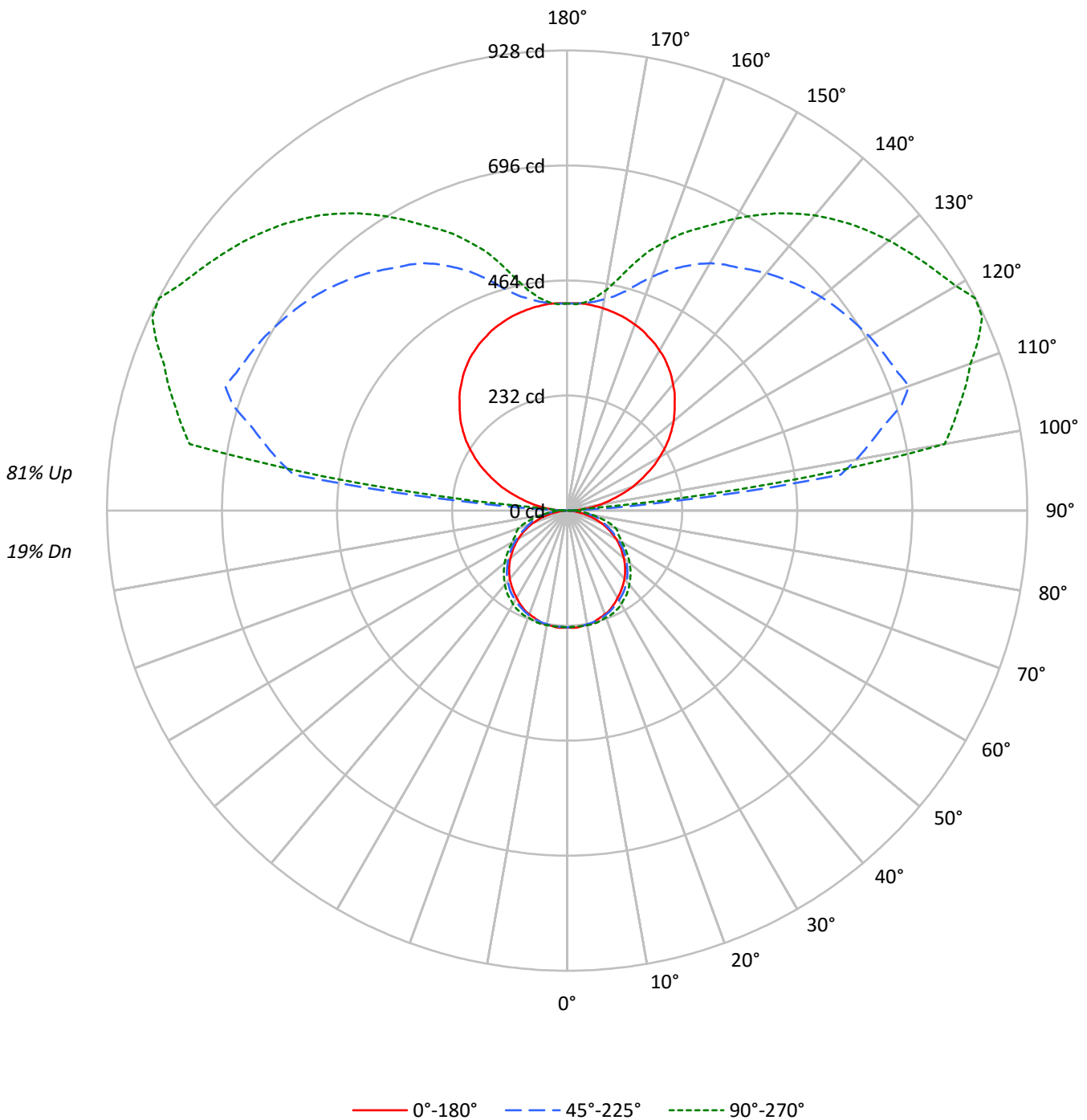
Input Watts (W): 28.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275203

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (4500K)

Luminous Intensity Polar Plot





TEST NUMBER: P275203

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (4500K)

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	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	19	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°	1903	1903	1903
5°	1918	1902	1902
10°	1916	1908	1924
15°	1911	1919	1953
20°	1912	1929	1973
25°	1910	1936	2010
30°	1894	1951	2036
35°	1892	1962	2053
40°	1895	1959	2056
45°	1891	1960	2064
50°	1876	1952	2067
55°	1859	1945	2059
60°	1837	1920	2067
65°	1786	1903	2174
70°	1728	1919	2469
75°	1585	2187	2505
80°	1371	2222	2408
85°	1037	2445	2732



TEST NUMBER: P275203

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	0.5
10°-20°	65.2	1.6
20°-30°	101.0	2.5
30°-40°	124.9	3.1
40°-50°	133.1	3.3
50°-60°	124.1	3.0
60°-70°	101.3	2.5
70°-80°	69.7	1.7
80°-90°	27.3	0.7
90°-100°	237.4	5.8
100°-110°	615.2	15.1
110°-120°	638.3	15.7
120°-130°	568.1	13.9
130°-140°	473.3	11.6
140°-150°	360.5	8.8
150°-160°	242.8	6.0
160°-170°	131.8	3.2
170°-180°	40.6	1.0
0°-30°	188.6	4.6
0°-40°	313.4	7.7
0°-60°	570.6	14.0
0°-90°	769.0	18.9
90°-120°	1490.9	36.6
90°-150°	2892.9	71.0
90°-180°	3308.0	81.1
0°-180°	4077.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	236	236	236	236	236	
5°	237	237	235	235	235	22
15°	229	230	230	233	234	65
25°	214	214	217	224	226	99
35°	192	194	199	205	208	120
45°	166	168	172	178	181	128
55°	132	135	138	142	146	118
65°	94	96	100	109	114	93
75°	51	54	70	78	80	53
85°	11	21	26	30	30	13
90°	2	2	2	2	2	4
95°	34	268	206	34	32	34
105°	101	426	660	782	819	107
115°	178	440	716	894	924	177
125°	250	450	687	833	876	223
135°	307	462	648	775	815	237
145°	355	454	598	697	732	222
155°	387	434	542	611	628	179
165°	408	422	458	501	514	115
175°	419	421	421	423	422	40
180°	418	418	418	418	418	



TEST NUMBER: P275203

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	235.7	235.7	235.7	235.7	235.7
2.5°	236.7	236.7	234.7	234.7	234.7
5°	236.7	236.7	234.7	234.7	234.7
7.5°	234.7	235.7	234.7	234.7	234.7
10°	233.7	233.7	232.7	233.7	234.7
12.5°	232.7	232.7	231.6	233.7	234.7
15°	228.6	229.6	229.6	232.7	233.7
17.5°	225.6	226.6	227.6	230.6	231.6
20°	222.5	222.5	224.5	228.6	229.6
22.5°	219.5	219.5	221.5	226.6	228.6
25°	214.4	214.4	217.4	223.5	225.6
27.5°	209.3	210.3	213.4	219.5	222.5
30°	203.2	205.2	209.3	215.4	218.4
32.5°	198.1	200.2	204.2	210.3	212.3
35°	192.0	194.1	199.1	205.2	208.3
37.5°	185.9	188.0	193.0	199.1	202.2
40°	179.8	181.9	185.9	193.0	195.1
42.5°	172.7	174.8	179.8	185.9	188.0
45°	165.6	167.6	171.7	177.8	180.8
47.5°	157.5	160.5	163.6	169.7	172.7
50°	149.4	152.4	155.4	161.5	164.6
52.5°	140.2	144.3	147.3	152.4	155.4
55°	132.1	135.1	138.2	142.2	146.3
57.5°	122.9	126.0	129.0	134.1	137.2
60°	113.8	115.8	118.9	124.0	128.0
62.5°	103.6	106.7	108.7	114.8	120.9
65°	93.5	95.5	99.6	108.7	113.8
67.5°	83.3	85.3	89.4	102.6	110.7
70°	73.2	75.2	81.3	99.6	104.6
72.5°	61.0	64.0	74.2	91.4	93.5
75°	50.8	53.8	70.1	78.2	80.3
77.5°	39.6	43.7	59.9	65.0	66.0
80°	29.5	36.6	47.8	51.8	51.8
82.5°	19.3	30.5	36.6	40.6	40.6
85°	11.2	21.3	26.4	30.5	29.5
87.5°	7.1	14.2	20.3	23.4	22.4
90°	2.0	2.0	2.0	2.0	2.0
92.5°	19.3	53.8	16.3	15.2	15.2
95°	34.5	268.2	206.2	33.5	32.5
97.5°	48.8	327.2	556.8	657.4	426.7
100°	66.0	389.1	592.3	732.5	773.2
102.5°	82.3	415.5	624.8	752.9	796.5
105°	100.6	425.7	660.4	782.3	818.9
107.5°	120.9	431.8	707.1	806.7	843.3
110°	141.2	434.8	733.6	839.2	865.6



TEST NUMBER: P275203

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	159.5	436.9	723.4	872.7	897.1
115°	177.8	439.9	716.3	894.1	923.5
117.5°	198.1	442.0	710.2	873.8	927.6
120°	215.4	445.0	703.1	859.5	905.3
122.5°	232.7	448.1	694.9	846.3	890.0
125°	249.9	450.1	686.8	833.1	875.8
127.5°	265.2	452.1	678.7	818.9	861.6
130°	280.4	458.2	669.5	805.7	847.3
132.5°	293.6	462.3	659.4	789.4	831.1
135°	306.8	462.3	648.2	775.2	814.8
137.5°	321.1	462.3	637.0	756.9	796.5
140°	332.2	460.2	624.8	738.6	777.2
142.5°	344.4	458.2	611.6	719.3	754.9
145°	354.6	454.2	598.4	697.0	731.5
147.5°	364.7	449.1	588.3	674.6	706.1
150°	372.9	444.0	576.1	652.3	679.7
152.5°	381.0	437.9	559.8	630.9	652.3
155°	387.1	433.8	541.5	610.6	627.9
157.5°	394.2	430.8	523.2	587.2	604.5
160°	399.3	426.7	501.9	560.8	576.1
162.5°	404.4	423.7	479.6	532.4	548.6
165°	408.4	421.6	458.2	500.9	514.1
167.5°	411.5	420.6	443.0	469.4	478.5
170°	414.5	419.6	432.8	448.1	451.1
172.5°	416.6	419.6	424.7	431.8	432.8
175°	418.6	420.6	420.6	422.7	421.6
177.5°	418.6	419.6	417.6	418.6	416.6
180°	417.6	417.6	417.6	417.6	417.6

(END OF REPORT)