

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: P275205

Luminaire Tested: **J3-UL-40L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275205
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-16)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-40L82765-1D-UNV-W2A-W-4 (5700K)
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 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4185.4 lumens
Efficiency: N/A
Efficacy: 145.8 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

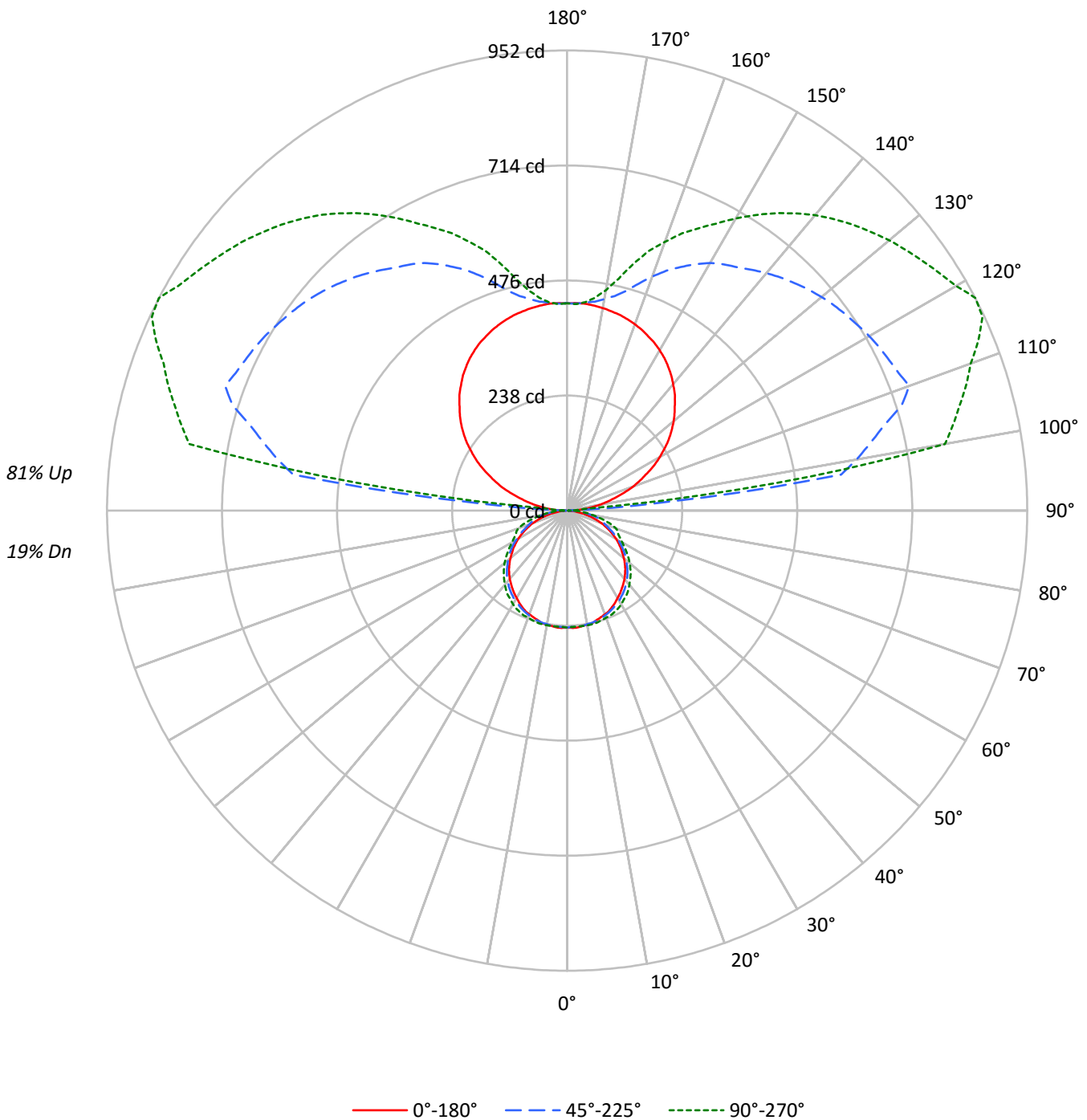
Input Watts (W): 28.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275205

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (5700K)

Luminous Intensity Polar Plot





TEST NUMBER: P275205

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (5700K)

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°	1954	1954	1954
5°	1969	1952	1952
10°	1967	1958	1975
15°	1962	1970	2005
20°	1962	1980	2025
25°	1961	1988	2062
30°	1945	2003	2090
35°	1942	2014	2107
40°	1945	2012	2111
45°	1941	2013	2120
50°	1925	2004	2123
55°	1909	1996	2114
60°	1886	1970	2122
65°	1834	1952	2231
70°	1773	1969	2535
75°	1628	2246	2570
80°	1404	2278	2473
85°	1065	2510	2797



TEST NUMBER: P275205

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	0.5
10°-20°	66.9	1.6
20°-30°	103.6	2.5
30°-40°	128.2	3.1
40°-50°	136.7	3.3
50°-60°	127.4	3.0
60°-70°	104.0	2.5
70°-80°	71.6	1.7
80°-90°	28.0	0.7
90°-100°	243.7	5.8
100°-110°	631.6	15.1
110°-120°	655.3	15.7
120°-130°	583.2	13.9
130°-140°	485.9	11.6
140°-150°	370.1	8.8
150°-160°	249.2	6.0
160°-170°	135.3	3.2
170°-180°	41.6	1.0
0°-30°	193.6	4.6
0°-40°	321.7	7.7
0°-60°	585.8	14.0
0°-90°	789.4	18.9
90°-120°	1530.6	36.6
90°-150°	2969.8	71.0
90°-180°	3396.0	81.1
0°-180°	4185.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	242	242	242	242	242	
5°	243	243	241	241	241	23
15°	235	236	236	239	240	66
25°	220	220	223	230	232	101
35°	197	199	204	211	214	123
45°	170	172	176	182	186	131
55°	136	139	142	146	150	121
65°	96	98	102	112	117	95
75°	52	55	72	80	82	55
85°	12	22	27	31	30	14
90°	2	2	2	2	2	4
95°	36	275	212	34	33	35
105°	103	437	678	803	841	110
115°	182	452	735	918	948	181
125°	257	462	705	855	899	229
135°	315	475	665	796	836	243
145°	364	466	614	716	751	228
155°	397	445	556	627	645	184
165°	419	433	470	514	528	118
175°	430	432	432	434	433	41
180°	429	429	429	429	429	



TEST NUMBER: P275205

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	242.0	242.0	242.0	242.0	242.0
2.5°	243.0	243.0	240.9	240.9	240.9
5°	243.0	243.0	240.9	240.9	240.9
7.5°	240.9	242.0	240.9	240.9	240.9
10°	239.9	239.9	238.8	239.9	240.9
12.5°	238.8	238.8	237.8	239.9	240.9
15°	234.7	235.7	235.7	238.8	239.9
17.5°	231.5	232.6	233.6	236.8	237.8
20°	228.4	228.4	230.5	234.7	235.7
22.5°	225.3	225.3	227.4	232.6	234.7
25°	220.1	220.1	223.2	229.5	231.5
27.5°	214.9	215.9	219.0	225.3	228.4
30°	208.6	210.7	214.9	221.1	224.2
32.5°	203.4	205.5	209.6	215.9	218.0
35°	197.1	199.2	204.4	210.7	213.8
37.5°	190.9	193.0	198.2	204.4	207.6
40°	184.6	186.7	190.9	198.2	200.3
42.5°	177.3	179.4	184.6	190.9	193.0
45°	170.0	172.1	176.3	182.5	185.7
47.5°	161.7	164.8	167.9	174.2	177.3
50°	153.3	156.5	159.6	165.8	169.0
52.5°	143.9	148.1	151.2	156.5	159.6
55°	135.6	138.7	141.8	146.0	150.2
57.5°	126.2	129.3	132.5	137.7	140.8
60°	116.8	118.9	122.0	127.2	131.4
62.5°	106.4	109.5	111.6	117.9	124.1
65°	96.0	98.0	102.2	111.6	116.8
67.5°	85.5	87.6	91.8	105.3	113.7
70°	75.1	77.2	83.4	102.2	107.4
72.5°	62.6	65.7	76.1	93.9	96.0
75°	52.2	55.3	72.0	80.3	82.4
77.5°	40.7	44.8	61.5	66.8	67.8
80°	30.2	37.5	49.0	53.2	53.2
82.5°	19.8	31.3	37.5	41.7	41.7
85°	11.5	21.9	27.1	31.3	30.2
87.5°	7.3	14.6	20.9	24.0	22.9
90°	2.1	2.1	2.1	2.1	2.1
92.5°	19.8	55.3	16.7	15.6	15.6
95°	35.5	275.4	211.7	34.4	33.4
97.5°	50.1	335.8	571.6	674.8	438.1
100°	67.8	399.5	608.1	752.0	793.7
102.5°	84.5	426.6	641.4	772.9	817.7
105°	103.3	437.0	678.0	803.1	840.7
107.5°	124.1	443.3	725.9	828.1	865.7
110°	145.0	446.4	753.0	861.5	888.6



TEST NUMBER: P275205

CATALOG NUMBER: J3-UL-40L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	163.8	448.5	742.6	895.9	921.0
115°	182.5	451.6	735.3	917.8	948.1
117.5°	203.4	453.7	729.1	897.0	952.3
120°	221.1	456.8	721.8	882.4	929.3
122.5°	238.8	460.0	713.4	868.8	913.7
125°	256.6	462.0	705.1	855.3	899.1
127.5°	272.2	464.1	696.7	840.7	884.5
130°	287.9	470.4	687.3	827.1	869.9
132.5°	301.4	474.6	676.9	810.4	853.2
135°	315.0	474.6	665.4	795.8	836.5
137.5°	329.6	474.6	654.0	777.0	817.7
140°	341.1	472.5	641.4	758.3	797.9
142.5°	353.6	470.4	627.9	738.4	774.9
145°	364.0	466.2	614.3	715.5	751.0
147.5°	374.4	461.0	603.9	692.6	724.9
150°	382.8	455.8	591.4	669.6	697.8
152.5°	391.1	449.5	574.7	647.7	669.6
155°	397.4	445.4	555.9	626.8	644.6
157.5°	404.7	442.2	537.1	602.9	620.6
160°	409.9	438.1	515.2	575.7	591.4
162.5°	415.1	434.9	492.3	546.5	563.2
165°	419.3	432.8	470.4	514.2	527.8
167.5°	422.4	431.8	454.7	481.9	491.3
170°	425.5	430.8	444.3	460.0	463.1
172.5°	427.6	430.8	436.0	443.3	444.3
175°	429.7	431.8	431.8	433.9	432.8
177.5°	429.7	430.8	428.7	429.7	427.6
180°	428.7	428.7	428.7	428.7	428.7

(END OF REPORT)