

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: P275076

Luminaire Tested: **J3-FL-20L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275076
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-20L82765-1D-UNV-W2A-W-4 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2312.6 lumens
Efficiency: N/A
Efficacy: 139.3 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

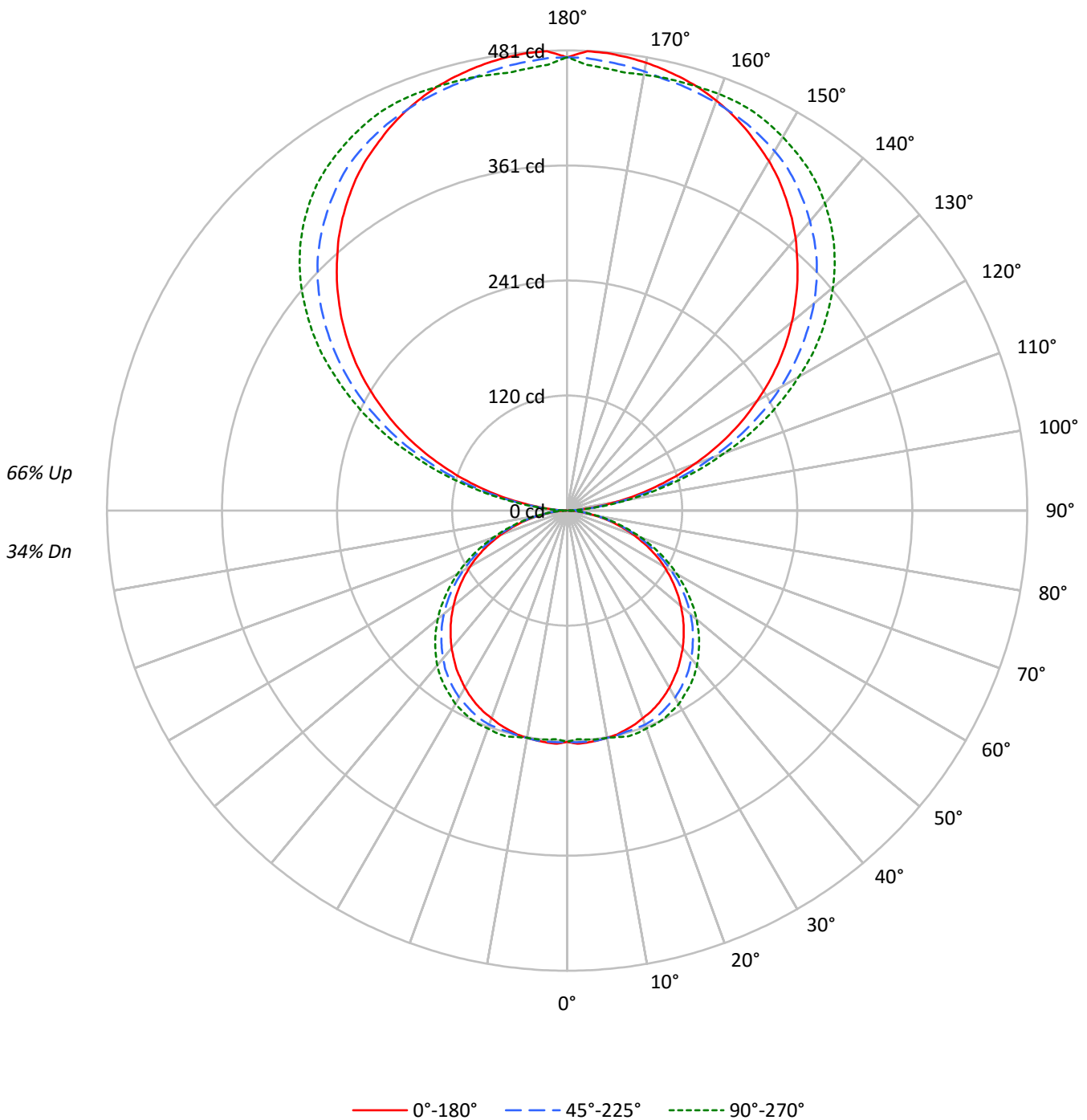
Input Watts (W): 16.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1952	1952	1952
5°	1972	1964	1947
10°	1977	1977	1977
15°	1982	1999	2043
20°	1984	2046	2082
25°	1993	2075	2136
30°	1993	2104	2178
35°	1989	2122	2205
40°	1980	2127	2226
45°	1967	2121	2227
50°	1948	2112	2217
55°	1928	2082	2183
60°	1892	2028	2136
65°	1834	1952	2063
70°	1728	1839	1936
75°	1588	1684	1765
80°	1376	1474	1525
85°	1102	1149	1204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.1	1.0
10°-20°	67.8	2.9
20°-30°	106.9	4.6
30°-40°	133.5	5.8
40°-50°	142.3	6.2
50°-60°	131.2	5.7
60°-70°	100.8	4.4
70°-80°	57.1	2.5
80°-90°	15.1	0.7
90°-100°	24.3	1.0
100°-110°	114.1	4.9
110°-120°	206.8	8.9
120°-130°	265.6	11.5
130°-140°	282.6	12.2
140°-150°	260.0	11.2
150°-160°	205.9	8.9
160°-170°	130.7	5.7
170°-180°	44.8	1.9
0°-30°	197.8	8.6
0°-40°	331.3	14.3
0°-60°	604.8	26.2
0°-90°	777.8	33.6
90°-120°	345.1	14.9
90°-150°	1153.4	49.9
90°-180°	1535.0	66.4
0°-180°	2312.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	242	242	242	242	242	
5°	243	241	242	242	240	23
15°	237	236	239	243	244	67
25°	224	224	233	238	240	103
35°	202	206	215	221	224	126
45°	172	177	186	192	195	133
55°	137	141	148	153	155	122
65°	96	98	102	106	108	95
75°	51	52	54	56	57	54
85°	12	12	12	13	13	13
90°	1	1	1	0	0	2
95°	16	17	18	19	20	21
105°	96	100	109	116	119	101
115°	187	195	211	224	230	184
125°	270	278	300	316	325	241
135°	340	346	369	385	394	263
145°	399	397	417	430	438	249
155°	441	434	446	455	460	203
165°	468	460	460	462	464	132
175°	480	474	471	468	464	46
180°	474	474	474	474	474	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	241.8	241.8	241.8	241.8	241.8
2.5°	243.9	241.8	242.4	242.4	239.2
5°	243.4	241.2	242.4	241.8	240.2
7.5°	242.4	240.8	242.4	242.4	241.2
10°	241.2	239.8	241.2	241.8	241.2
12.5°	239.8	238.2	240.8	241.8	242.4
15°	237.1	236.1	239.2	243.4	244.5
17.5°	234.6	234.0	238.8	243.4	243.9
20°	230.9	230.9	238.2	241.8	242.4
22.5°	227.9	227.9	236.1	239.8	241.8
25°	223.7	224.2	233.0	237.7	239.8
27.5°	219.0	220.6	229.3	234.6	236.6
30°	213.8	216.4	225.7	230.9	233.6
32.5°	207.7	211.2	220.6	225.7	228.3
35°	201.8	205.5	215.3	220.6	223.7
37.5°	194.6	199.3	209.1	214.3	218.0
40°	187.9	192.6	201.8	207.7	211.2
42.5°	180.1	185.2	194.1	199.8	203.4
45°	172.3	176.9	185.8	191.5	195.1
47.5°	164.0	168.7	177.6	182.7	186.2
50°	155.1	160.3	168.2	173.3	176.5
52.5°	146.3	151.0	158.3	163.5	166.6
55°	137.0	141.1	147.9	152.6	155.1
57.5°	127.1	131.2	137.0	141.7	144.2
60°	117.2	120.3	125.6	130.2	132.3
62.5°	106.9	109.5	114.2	117.9	120.3
65°	96.0	98.1	102.2	105.9	108.0
67.5°	84.6	86.7	90.3	93.4	95.0
70°	73.2	75.2	77.9	80.4	82.0
72.5°	62.2	63.3	65.9	68.0	69.0
75°	50.9	51.9	54.0	56.0	56.6
77.5°	40.5	41.0	42.6	43.7	44.1
80°	29.6	30.6	31.7	32.1	32.8
82.5°	20.2	20.8	21.2	21.8	22.2
85°	11.9	12.4	12.4	13.0	13.0
87.5°	5.2	5.7	5.7	5.7	5.7
90°	0.6	0.6	0.6	0.0	0.0
92.5°	5.2	5.2	5.7	6.2	6.7
95°	16.1	16.6	18.2	19.2	20.2
97.5°	32.1	33.2	36.3	38.9	40.0
100°	51.9	54.0	58.7	62.2	63.9
102.5°	73.2	76.2	83.1	88.2	90.8
105°	95.5	99.7	109.0	115.7	118.9
107.5°	118.3	123.6	135.5	143.2	147.4
110°	141.1	147.9	160.9	171.2	174.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	164.0	171.2	186.8	198.2	204.0
115°	186.8	194.6	211.2	224.2	230.4
117.5°	208.7	216.9	235.1	249.6	255.3
120°	229.3	238.2	258.0	273.0	279.7
122.5°	250.1	258.5	279.2	295.2	303.6
125°	269.9	278.2	299.5	316.0	324.9
127.5°	288.6	296.3	318.7	335.8	344.1
130°	306.7	314.0	336.8	353.5	362.8
132.5°	323.8	330.6	353.5	369.5	379.4
135°	340.5	345.6	369.0	385.0	394.4
137.5°	356.6	359.7	382.5	398.6	407.5
140°	371.6	372.7	394.9	410.0	419.3
142.5°	385.6	385.0	406.4	420.8	429.7
145°	398.6	397.0	417.2	430.2	438.0
147.5°	411.0	407.5	426.6	437.5	444.7
150°	421.9	417.2	433.9	444.7	450.9
152.5°	431.2	426.0	440.0	449.9	456.1
155°	440.6	434.4	445.8	455.1	460.3
157.5°	448.9	441.1	449.9	458.2	462.5
160°	456.1	448.4	454.1	460.3	463.5
162.5°	462.5	454.6	457.2	460.8	463.5
165°	467.6	460.3	460.3	461.8	463.5
167.5°	471.7	465.5	462.5	462.9	463.5
170°	475.4	469.1	466.0	462.9	462.5
172.5°	478.0	471.7	469.1	465.0	461.8
175°	480.0	474.4	471.1	467.6	463.9
177.5°	480.6	475.8	473.3	469.7	466.5
180°	473.8	473.8	473.8	473.8	473.8

(END OF REPORT)