

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: P275075

Luminaire Tested: **J3-FL-20L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275075
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 (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: 2281.1 lumens
Efficiency: N/A
Efficacy: 138.2 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

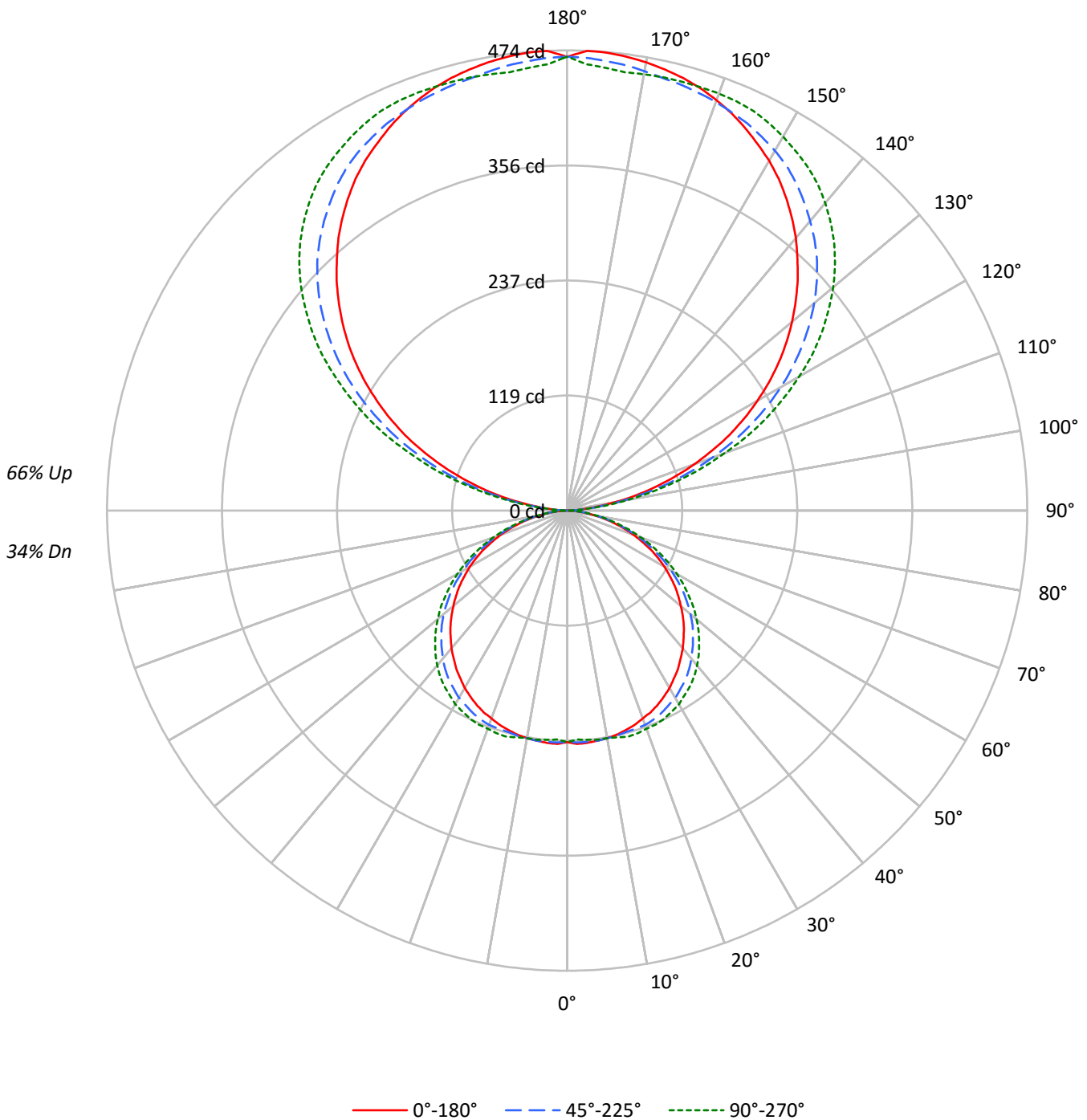
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1925	1925	1925
5°	1946	1938	1921
10°	1951	1951	1951
15°	1955	1972	2016
20°	1957	2019	2054
25°	1966	2048	2107
30°	1966	2076	2148
35°	1962	2093	2175
40°	1953	2098	2195
45°	1941	2093	2197
50°	1922	2084	2187
55°	1901	2054	2153
60°	1866	2000	2107
65°	1809	1926	2034
70°	1704	1813	1907
75°	1566	1663	1740
80°	1358	1450	1502
85°	1084	1130	1186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	1.0
10°-20°	66.9	2.9
20°-30°	105.4	4.6
30°-40°	131.7	5.8
40°-50°	140.4	6.2
50°-60°	129.4	5.7
60°-70°	99.4	4.4
70°-80°	56.3	2.5
80°-90°	14.8	0.6
90°-100°	23.9	1.0
100°-110°	112.5	4.9
110°-120°	204.0	8.9
120°-130°	262.0	11.5
130°-140°	278.7	12.2
140°-150°	256.5	11.2
150°-160°	203.1	8.9
160°-170°	128.9	5.7
170°-180°	44.2	1.9
0°-30°	195.1	8.6
0°-40°	326.8	14.3
0°-60°	596.6	26.2
0°-90°	767.2	33.6
90°-120°	340.4	14.9
90°-150°	1137.6	49.9
90°-180°	1514.0	66.4
0°-180°	2281.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	238	238	238	238	238	
5°	240	238	239	238	237	23
15°	234	233	236	240	241	66
25°	221	221	230	234	236	102
35°	199	203	212	218	221	124
45°	170	174	183	189	192	131
55°	135	139	146	151	153	121
65°	95	97	101	104	106	93
75°	50	51	53	55	56	53
85°	12	12	12	13	13	13
90°	0	0	0	0	0	2
95°	16	16	18	19	20	21
105°	94	98	108	114	117	100
115°	184	192	208	221	227	182
125°	266	274	295	312	320	238
135°	336	341	364	380	389	259
145°	393	392	412	424	432	246
155°	435	428	440	449	454	200
165°	461	454	454	456	457	130
175°	474	468	465	461	458	45
180°	467	467	467	467	467	



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CATALOG NUMBER: J3-FL-20L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	238.5	238.5	238.5	238.5	238.5
2.5°	240.6	238.5	239.1	239.1	236.0
5°	240.1	238.0	239.1	238.5	237.0
7.5°	239.1	237.5	239.1	239.1	238.0
10°	238.0	236.5	238.0	238.5	238.0
12.5°	236.5	235.0	237.5	238.5	239.1
15°	233.9	232.9	236.0	240.1	241.2
17.5°	231.4	230.9	235.5	240.1	240.6
20°	227.8	227.8	235.0	238.5	239.1
22.5°	224.8	224.8	232.9	236.5	238.5
25°	220.7	221.1	229.9	234.5	236.5
27.5°	216.0	217.6	226.2	231.4	233.4
30°	210.9	213.5	222.7	227.8	230.4
32.5°	204.8	208.3	217.6	222.7	225.2
35°	199.1	202.7	212.4	217.6	220.7
37.5°	192.0	196.5	206.3	211.4	215.0
40°	185.3	190.0	199.1	204.8	208.3
42.5°	177.6	182.7	191.4	197.1	200.6
45°	170.0	174.5	183.3	188.9	192.4
47.5°	161.8	166.4	175.2	180.3	183.7
50°	153.0	158.1	165.9	171.0	174.1
52.5°	144.3	148.9	156.1	161.3	164.3
55°	135.1	139.2	145.9	150.6	153.0
57.5°	125.4	129.5	135.1	139.7	142.3
60°	115.6	118.7	123.9	128.5	130.5
62.5°	105.4	108.1	112.6	116.3	118.7
65°	94.7	96.8	100.8	104.4	106.5
67.5°	83.5	85.5	89.0	92.1	93.7
70°	72.2	74.2	76.8	79.3	80.8
72.5°	61.4	62.5	65.0	67.1	68.1
75°	50.2	51.2	53.3	55.3	55.8
77.5°	40.0	40.4	42.1	43.1	43.5
80°	29.2	30.2	31.2	31.7	32.3
82.5°	19.9	20.5	20.9	21.5	21.9
85°	11.7	12.2	12.2	12.8	12.8
87.5°	5.1	5.6	5.6	5.6	5.6
90°	0.5	0.5	0.5	0.0	0.0
92.5°	5.1	5.1	5.6	6.1	6.6
95°	15.8	16.4	17.9	18.9	19.9
97.5°	31.7	32.8	35.8	38.4	39.4
100°	51.2	53.3	57.9	61.4	63.0
102.5°	72.2	75.2	81.9	87.0	89.6
105°	94.2	98.3	107.5	114.2	117.3
107.5°	116.7	121.9	133.6	141.3	145.4
110°	139.2	145.9	158.7	168.9	172.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	161.8	168.9	184.3	195.5	201.2
115°	184.3	192.0	208.3	221.1	227.3
117.5°	205.8	213.9	231.9	246.3	251.8
120°	226.2	235.0	254.4	269.3	275.9
122.5°	246.7	255.0	275.4	291.2	299.5
125°	266.2	274.4	295.4	311.7	320.4
127.5°	284.7	292.2	314.3	331.2	339.4
130°	302.5	309.7	332.2	348.7	357.9
132.5°	319.4	326.1	348.7	364.5	374.2
135°	335.8	340.9	364.0	379.8	389.1
137.5°	351.1	354.8	377.3	393.2	401.9
140°	366.5	367.6	389.5	404.4	413.6
142.5°	380.3	379.8	400.8	415.1	423.9
145°	393.2	391.6	411.6	424.3	432.1
147.5°	405.4	401.9	420.8	431.6	438.7
150°	416.1	411.6	428.0	438.7	444.8
152.5°	425.3	420.2	434.1	443.8	449.9
155°	434.6	428.5	439.7	448.9	454.1
157.5°	442.8	435.1	443.8	452.0	456.2
160°	449.9	442.3	447.9	454.1	457.2
162.5°	456.2	448.4	451.0	454.5	457.2
165°	461.3	454.1	454.1	455.5	457.2
167.5°	465.3	459.2	456.2	456.6	457.2
170°	468.9	462.7	459.6	456.6	456.2
172.5°	471.5	465.3	462.7	458.6	455.5
175°	473.5	467.9	464.7	461.3	457.6
177.5°	474.0	469.4	466.8	463.3	460.2
180°	467.4	467.4	467.4	467.4	467.4

(END OF REPORT)