

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: P274997

Luminaire Tested: **J3-CL-30L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-30L82765-1D-UNV-W2A-W-4 (5700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR 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: 3009.2 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

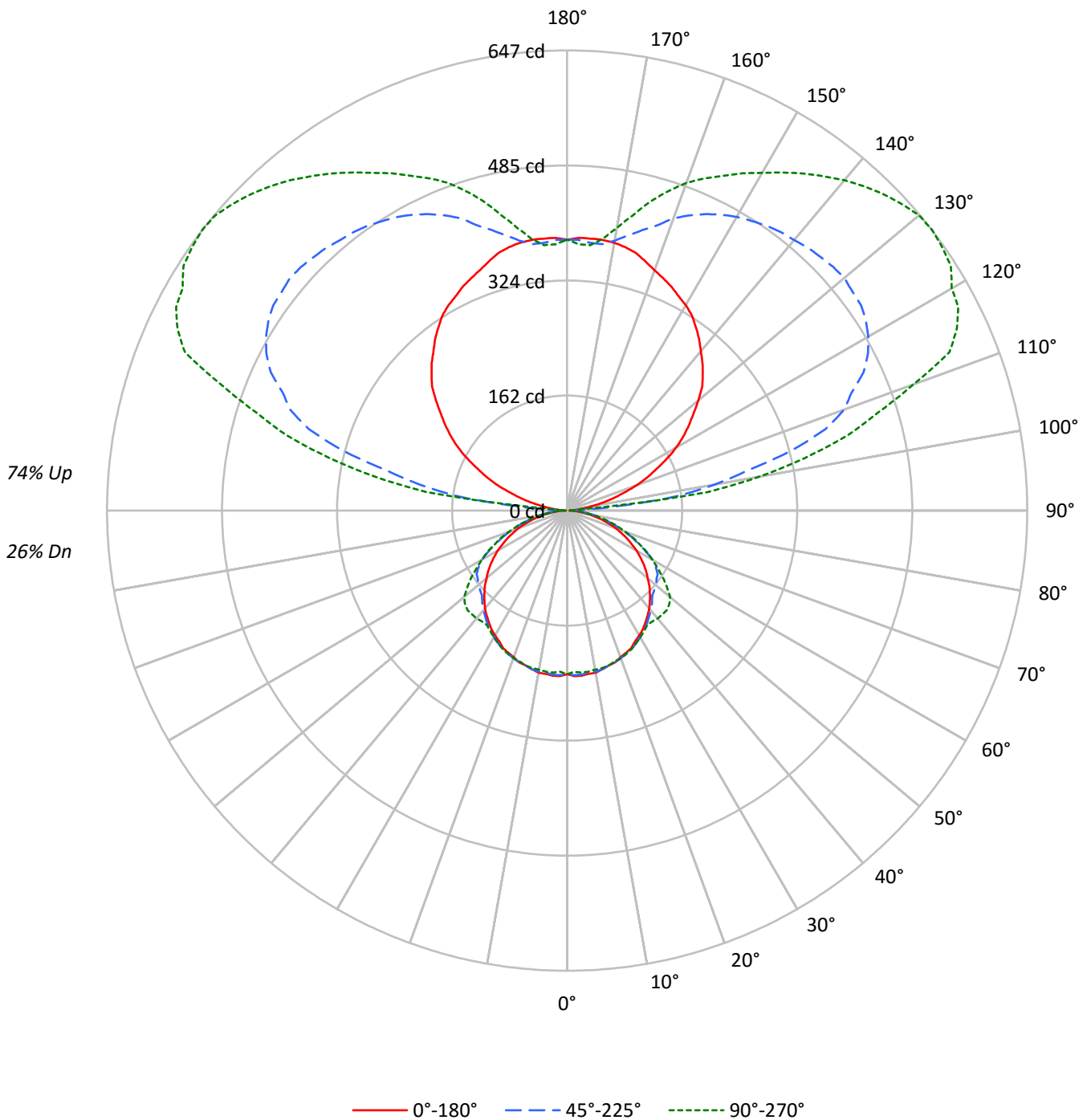
Input Watts (W): 21.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21				
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17				
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14				
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12				
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10				
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9				
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8				
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7				
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6				
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1857	1857	1857
5°	1888	1876	1852
10°	1898	1885	1860
15°	1884	1884	1884
20°	1884	1897	1897
25°	1899	1912	1912
30°	1889	1917	1917
35°	1891	1921	1937
40°	1894	1926	2087
45°	1878	1931	2261
50°	1855	2047	2372
55°	1844	2186	2315
60°	1820	2238	2238
65°	1775	2124	2153
70°	1725	2013	2049
75°	1616	1900	1946
80°	1488	1841	1771
85°	1408	1973	1695



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	0.7
10°-20°	63.6	2.1
20°-30°	98.4	3.3
30°-40°	122.0	4.1
40°-50°	136.5	4.5
50°-60°	133.4	4.4
60°-70°	105.3	3.5
70°-80°	63.7	2.1
80°-90°	22.7	0.8
90°-100°	78.2	2.6
100°-110°	302.3	10.0
110°-120°	415.4	13.8
120°-130°	420.3	14.0
130°-140°	372.5	12.4
140°-150°	294.6	9.8
150°-160°	205.7	6.8
160°-170°	116.4	3.9
170°-180°	36.5	1.2
0°-30°	183.9	6.1
0°-40°	306.0	10.2
0°-60°	575.9	19.1
0°-90°	767.5	25.5
90°-120°	795.8	26.4
90°-150°	1883.1	62.6
90°-180°	2242.0	74.5
0°-180°	3009.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	230	230	230	230	230	
5°	233	230	232	230	228	22
15°	225	224	225	225	225	64
25°	213	210	215	215	215	98
35°	192	192	195	196	196	120
45°	164	166	169	190	198	127
55°	131	132	155	164	164	117
65°	93	98	111	113	113	92
75°	52	61	61	62	62	55
85°	15	24	21	20	18	16
90°	3	9	8	2	2	3
95°	12	61	73	15	15	15
105°	67	216	327	378	408	71
115°	139	292	460	570	605	138
125°	209	338	504	614	644	187
135°	270	372	504	603	629	208
145°	315	381	489	560	579	197
155°	347	372	460	510	519	160
165°	375	373	408	443	449	105
175°	384	379	378	378	375	37
180°	381	381	381	381	381	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	230.0	230.0	230.0	230.0	230.0
2.5°	233.0	230.0	231.5	230.0	226.9
5°	233.0	230.0	231.5	230.0	228.5
7.5°	231.5	230.0	230.0	228.5	228.5
10°	231.5	228.5	230.0	228.5	226.9
12.5°	228.5	226.9	228.5	226.9	226.9
15°	225.4	223.9	225.4	225.4	225.4
17.5°	223.9	220.8	223.9	223.9	222.4
20°	219.3	217.8	220.8	220.8	220.8
22.5°	216.3	214.7	217.8	217.8	217.8
25°	213.2	210.2	214.7	214.7	214.7
27.5°	207.1	207.1	210.2	211.7	210.2
30°	202.6	201.0	205.6	207.1	205.6
32.5°	198.0	196.5	201.0	202.6	201.0
35°	191.9	191.9	194.9	196.5	196.5
37.5°	185.8	185.8	188.9	190.4	196.5
40°	179.7	179.7	182.8	191.9	198.0
42.5°	172.1	172.1	176.7	190.4	198.0
45°	164.5	166.0	169.1	190.4	198.0
47.5°	156.9	158.4	166.0	188.9	194.9
50°	147.7	150.8	163.0	184.3	188.9
52.5°	140.1	141.6	158.4	176.7	176.7
55°	131.0	132.5	155.3	164.5	164.5
57.5°	121.8	123.4	147.7	150.8	150.8
60°	112.7	114.2	138.6	138.6	138.6
62.5°	102.0	105.1	124.9	126.4	126.4
65°	92.9	97.5	111.2	112.7	112.7
67.5°	82.2	89.9	99.0	100.5	100.5
70°	73.1	82.2	85.3	86.8	86.8
72.5°	62.4	71.6	73.1	74.6	74.6
75°	51.8	60.9	60.9	62.4	62.4
77.5°	41.1	48.7	50.3	50.3	50.3
80°	32.0	36.6	39.6	38.1	38.1
82.5°	22.8	28.9	28.9	28.9	27.4
85°	15.2	24.4	21.3	19.8	18.3
87.5°	9.1	21.3	12.2	10.7	10.7
90°	3.0	9.1	7.6	1.5	1.5
92.5°	6.1	15.2	7.6	6.1	4.6
95°	12.2	60.9	73.1	15.2	15.2
97.5°	22.8	102.0	156.9	185.8	199.5
100°	35.0	152.3	210.2	257.4	274.1
102.5°	50.3	184.3	258.9	318.3	342.7
105°	67.0	216.3	327.4	377.7	408.2
107.5°	83.8	240.6	380.8	437.1	458.4
110°	103.6	260.4	414.3	511.7	517.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	121.8	275.7	432.5	548.3	581.8
115°	138.6	292.4	459.9	569.6	604.6
117.5°	158.4	304.6	476.7	581.8	619.9
120°	176.7	315.3	488.9	597.0	624.4
122.5°	193.4	327.4	498.0	609.2	639.7
125°	208.7	338.1	504.1	613.8	644.2
127.5°	223.9	347.2	505.6	615.3	647.3
130°	240.6	356.4	508.7	613.8	645.8
132.5°	257.4	365.5	507.2	609.2	638.1
135°	269.6	371.6	504.1	603.1	629.0
137.5°	281.8	376.2	501.1	594.0	618.3
140°	292.4	379.2	496.5	583.3	606.2
142.5°	304.6	380.8	493.5	572.6	592.4
145°	315.3	380.8	488.9	560.5	578.7
147.5°	325.9	379.2	482.8	548.3	563.5
150°	333.5	376.2	476.7	536.1	548.3
152.5°	339.6	373.1	469.1	522.4	534.6
155°	347.2	371.6	459.9	510.2	519.3
157.5°	353.3	371.6	449.3	496.5	505.6
160°	359.4	371.6	437.1	482.8	490.4
162.5°	367.0	371.6	420.3	463.0	470.6
165°	374.7	373.1	408.2	443.2	449.3
167.5°	379.2	373.1	396.0	418.8	424.9
170°	382.3	376.2	385.3	402.1	403.6
172.5°	383.8	379.2	377.7	385.3	385.3
175°	383.8	379.2	377.7	377.7	374.7
177.5°	383.8	380.8	380.8	379.2	374.7
180°	380.8	380.8	380.8	380.8	380.8

(END OF REPORT)