

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: P274992

Luminaire Tested: **J3-CL-30L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-30L82765-1D-UNV-W2A-W-4 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2723.6 lumens
Efficiency: N/A
Efficacy: 132.2 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

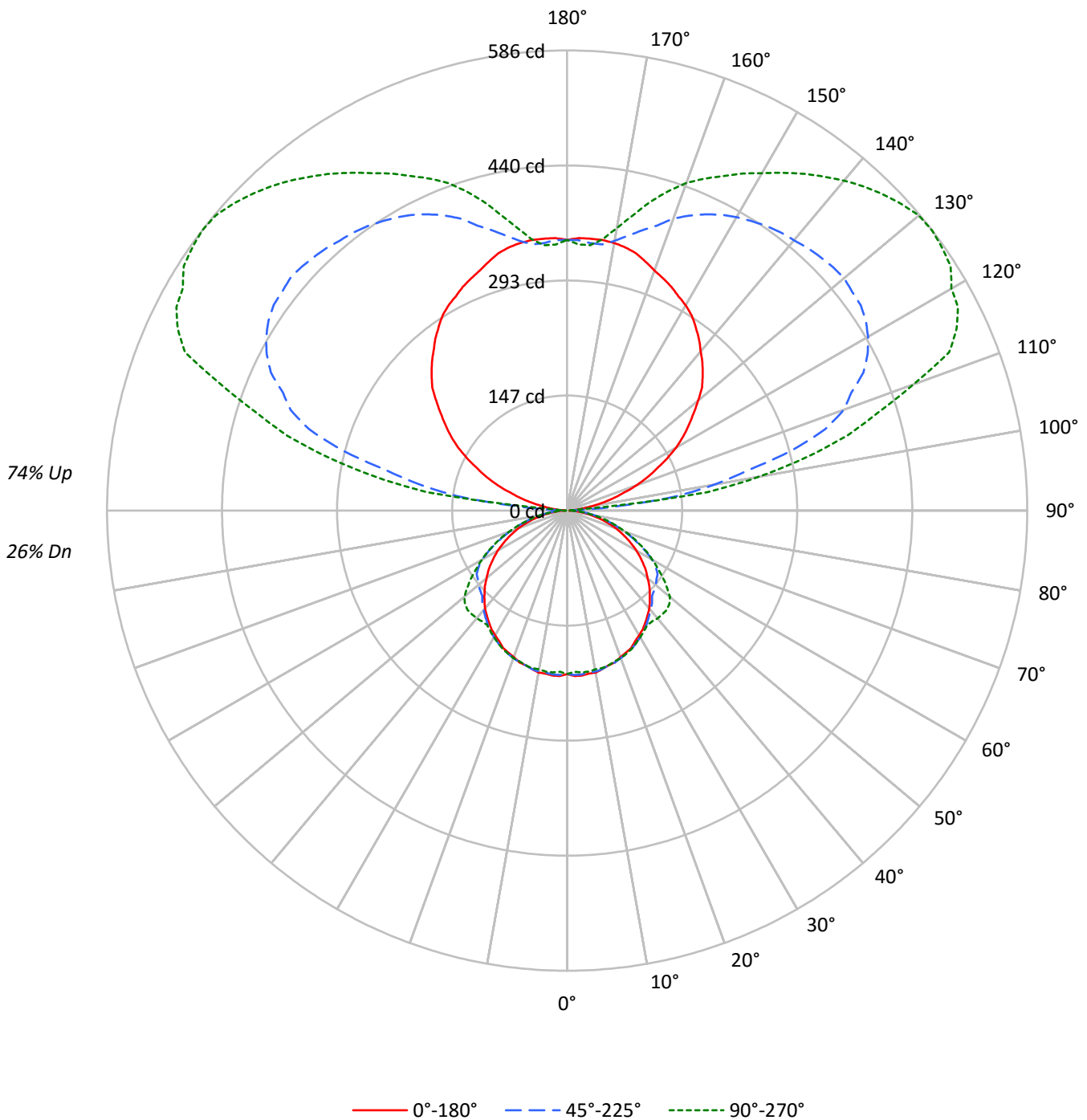
Input Watts (W): 20.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1680	1680	1680
5°	1709	1698	1676
10°	1717	1706	1684
15°	1705	1705	1705
20°	1705	1717	1717
25°	1719	1732	1732
30°	1709	1735	1735
35°	1712	1738	1752
40°	1715	1743	1888
45°	1700	1747	2046
50°	1679	1852	2146
55°	1668	1979	2096
60°	1647	2025	2025
65°	1606	1922	1948
70°	1563	1822	1855
75°	1463	1719	1762
80°	1344	1664	1604
85°	1278	1788	1528



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	0.7
10°-20°	57.6	2.1
20°-30°	89.0	3.3
30°-40°	110.4	4.1
40°-50°	123.6	4.5
50°-60°	120.8	4.4
60°-70°	95.3	3.5
70°-80°	57.6	2.1
80°-90°	20.5	0.8
90°-100°	70.8	2.6
100°-110°	273.6	10.0
110°-120°	376.0	13.8
120°-130°	380.4	14.0
130°-140°	337.1	12.4
140°-150°	266.6	9.8
150°-160°	186.2	6.8
160°-170°	105.3	3.9
170°-180°	33.0	1.2
0°-30°	166.5	6.1
0°-40°	276.9	10.2
0°-60°	521.3	19.1
0°-90°	694.7	25.5
90°-120°	720.3	26.4
90°-150°	1704.4	62.6
90°-180°	2029.0	74.5
0°-180°	2723.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	208	208	208	208	208	
5°	211	208	210	208	207	20
15°	204	203	204	204	204	58
25°	193	190	194	194	194	89
35°	174	174	176	178	178	109
45°	149	150	153	172	179	115
55°	118	120	141	149	149	106
65°	84	88	101	102	102	83
75°	47	55	55	56	56	50
85°	14	22	19	18	16	14
90°	3	8	7	1	1	3
95°	11	55	66	14	14	14
105°	61	196	296	342	369	64
115°	125	265	416	516	547	125
125°	189	306	456	556	583	169
135°	244	336	456	546	569	188
145°	285	345	442	507	524	178
155°	314	336	416	462	470	145
165°	339	338	369	401	407	95
175°	347	343	342	342	339	33
180°	345	345	345	345	345	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	208.1	208.1	208.1	208.1	208.1
2.5°	210.9	208.1	209.5	208.1	205.4
5°	210.9	208.1	209.5	208.1	206.8
7.5°	209.5	208.1	208.1	206.8	206.8
10°	209.5	206.8	208.1	206.8	205.4
12.5°	206.8	205.4	206.8	205.4	205.4
15°	204.0	202.6	204.0	204.0	204.0
17.5°	202.6	199.9	202.6	202.6	201.3
20°	198.5	197.1	199.9	199.9	199.9
22.5°	195.7	194.4	197.1	197.1	197.1
25°	193.0	190.2	194.4	194.4	194.4
27.5°	187.5	187.5	190.2	191.6	190.2
30°	183.3	182.0	186.1	187.5	186.1
32.5°	179.2	177.8	182.0	183.3	182.0
35°	173.7	173.7	176.4	177.8	177.8
37.5°	168.2	168.2	170.9	172.3	177.8
40°	162.7	162.7	165.4	173.7	179.2
42.5°	155.8	155.8	159.9	172.3	179.2
45°	148.9	150.3	153.0	172.3	179.2
47.5°	142.0	143.4	150.3	170.9	176.4
50°	133.7	136.5	147.5	166.8	170.9
52.5°	126.8	128.2	143.4	159.9	159.9
55°	118.5	119.9	140.6	148.9	148.9
57.5°	110.3	111.7	133.7	136.5	136.5
60°	102.0	103.4	125.4	125.4	125.4
62.5°	92.4	95.1	113.0	114.4	114.4
65°	84.1	88.2	100.6	102.0	102.0
67.5°	74.4	81.3	89.6	91.0	91.0
70°	66.2	74.4	77.2	78.6	78.6
72.5°	56.5	64.8	66.2	67.5	67.5
75°	46.9	55.1	55.1	56.5	56.5
77.5°	37.2	44.1	45.5	45.5	45.5
80°	28.9	33.1	35.8	34.5	34.5
82.5°	20.7	26.2	26.2	26.2	24.8
85°	13.8	22.1	19.3	17.9	16.5
87.5°	8.3	19.3	11.0	9.6	9.6
90°	2.8	8.3	6.9	1.4	1.4
92.5°	5.5	13.8	6.9	5.5	4.1
95°	11.0	55.1	66.2	13.8	13.8
97.5°	20.7	92.4	142.0	168.2	180.6
100°	31.7	137.8	190.2	233.0	248.1
102.5°	45.5	166.8	234.3	288.1	310.2
105°	60.7	195.7	296.4	341.9	369.4
107.5°	75.8	217.8	344.6	395.6	414.9
110°	93.7	235.7	374.9	463.2	468.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	110.3	249.5	391.5	496.2	526.6
115°	125.4	264.7	416.3	515.5	547.2
117.5°	143.4	275.7	431.5	526.6	561.0
120°	159.9	285.3	442.5	540.4	565.2
122.5°	175.1	296.4	450.8	551.4	578.9
125°	188.8	306.0	456.3	555.5	583.1
127.5°	202.6	314.3	457.6	556.9	585.8
130°	217.8	322.6	460.4	555.5	584.5
132.5°	233.0	330.8	459.0	551.4	577.6
135°	244.0	336.3	456.3	545.9	569.3
137.5°	255.0	340.5	453.5	537.6	559.6
140°	264.7	343.2	449.4	527.9	548.6
142.5°	275.7	344.6	446.6	518.3	536.2
145°	285.3	344.6	442.5	507.3	523.8
147.5°	295.0	343.2	437.0	496.2	510.0
150°	301.9	340.5	431.5	485.2	496.2
152.5°	307.4	337.7	424.6	472.8	483.8
155°	314.3	336.3	416.3	461.8	470.0
157.5°	319.8	336.3	406.6	449.4	457.6
160°	325.3	336.3	395.6	437.0	443.9
162.5°	332.2	336.3	380.5	419.0	425.9
165°	339.1	337.7	369.4	401.1	406.6
167.5°	343.2	337.7	358.4	379.1	384.6
170°	346.0	340.5	348.7	363.9	365.3
172.5°	347.4	343.2	341.9	348.7	348.7
175°	347.4	343.2	341.9	341.9	339.1
177.5°	347.4	344.6	344.6	343.2	339.1
180°	344.6	344.6	344.6	344.6	344.6

(END OF REPORT)