

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: P274991

Luminaire Tested: **J3-CL-30L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274991
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 (2700K)
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 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2648.6 lumens
Efficiency: N/A
Efficacy: 128.0 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

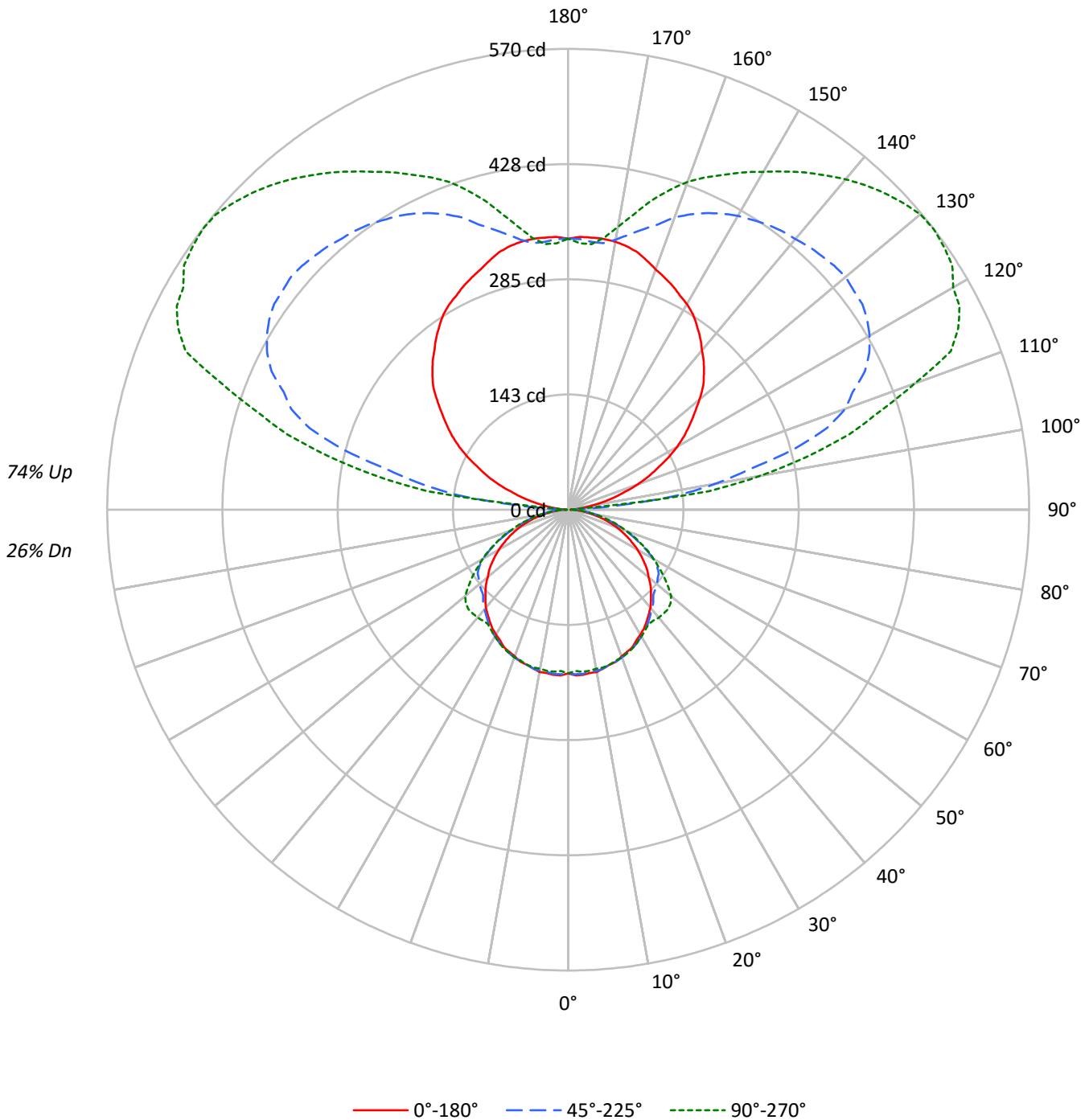
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1634	1634	1634
5°	1662	1652	1630
10°	1671	1659	1637
15°	1658	1658	1658
20°	1658	1670	1670
25°	1672	1684	1684
30°	1662	1687	1687
35°	1665	1691	1704
40°	1667	1696	1837
45°	1653	1699	1990
50°	1633	1801	2087
55°	1623	1924	2038
60°	1602	1970	1970
65°	1563	1870	1895
70°	1518	1773	1803
75°	1422	1672	1716
80°	1306	1623	1557
85°	1241	1741	1491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	0.7
10°-20°	56.0	2.1
20°-30°	86.6	3.3
30°-40°	107.4	4.1
40°-50°	120.2	4.5
50°-60°	117.4	4.4
60°-70°	92.6	3.5
70°-80°	56.1	2.1
80°-90°	20.0	0.8
90°-100°	68.8	2.6
100°-110°	266.0	10.0
110°-120°	365.6	13.8
120°-130°	369.9	14.0
130°-140°	327.8	12.4
140°-150°	259.3	9.8
150°-160°	181.0	6.8
160°-170°	102.4	3.9
170°-180°	32.1	1.2
0°-30°	161.9	6.1
0°-40°	269.3	10.2
0°-60°	506.9	19.1
0°-90°	675.5	25.5
90°-120°	700.5	26.4
90°-150°	1657.4	62.6
90°-180°	1973.0	74.5
0°-180°	2648.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	202	202	202	202	202	
5°	205	202	204	202	201	19
15°	198	197	198	198	198	56
25°	188	185	189	189	189	86
35°	169	169	172	173	173	106
45°	145	146	149	168	174	112
55°	115	117	137	145	145	103
65°	82	86	98	99	99	81
75°	46	54	54	55	55	48
85°	13	21	19	17	16	14
90°	3	8	7	1	1	3
95°	11	54	64	13	13	13
105°	59	190	288	332	359	63
115°	122	257	405	501	532	122
125°	184	298	444	540	567	164
135°	237	327	444	531	554	183
145°	278	335	430	493	509	174
155°	306	327	405	449	457	141
165°	330	328	359	390	395	93
175°	338	334	332	332	330	32
180°	335	335	335	335	335	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	202.4	202.4	202.4	202.4	202.4
2.5°	205.1	202.4	203.8	202.4	199.7
5°	205.1	202.4	203.8	202.4	201.1
7.5°	203.8	202.4	202.4	201.1	201.1
10°	203.8	201.1	202.4	201.1	199.7
12.5°	201.1	199.7	201.1	199.7	199.7
15°	198.4	197.0	198.4	198.4	198.4
17.5°	197.0	194.4	197.0	197.0	195.7
20°	193.0	191.7	194.4	194.4	194.4
22.5°	190.3	189.0	191.7	191.7	191.7
25°	187.7	185.0	189.0	189.0	189.0
27.5°	182.3	182.3	185.0	186.3	185.0
30°	178.3	176.9	181.0	182.3	181.0
32.5°	174.3	172.9	176.9	178.3	176.9
35°	168.9	168.9	171.6	172.9	172.9
37.5°	163.5	163.5	166.2	167.6	172.9
40°	158.2	158.2	160.9	168.9	174.3
42.5°	151.5	151.5	155.5	167.6	174.3
45°	144.8	146.1	148.8	167.6	174.3
47.5°	138.1	139.4	146.1	166.2	171.6
50°	130.0	132.7	143.4	162.2	166.2
52.5°	123.3	124.7	139.4	155.5	155.5
55°	115.3	116.6	136.7	144.8	144.8
57.5°	107.2	108.6	130.0	132.7	132.7
60°	99.2	100.5	122.0	122.0	122.0
62.5°	89.8	92.5	109.9	111.3	111.3
65°	81.8	85.8	97.9	99.2	99.2
67.5°	72.4	79.1	87.1	88.5	88.5
70°	64.3	72.4	75.1	76.4	76.4
72.5°	55.0	63.0	64.3	65.7	65.7
75°	45.6	53.6	53.6	55.0	55.0
77.5°	36.2	42.9	44.2	44.2	44.2
80°	28.1	32.2	34.9	33.5	33.5
82.5°	20.1	25.5	25.5	25.5	24.1
85°	13.4	21.4	18.8	17.4	16.1
87.5°	8.0	18.8	10.7	9.4	9.4
90°	2.7	8.0	6.7	1.3	1.3
92.5°	5.4	13.4	6.7	5.4	4.0
95°	10.7	53.6	64.3	13.4	13.4
97.5°	20.1	89.8	138.1	163.5	175.6
100°	30.8	134.0	185.0	226.5	241.3
102.5°	44.2	162.2	227.9	280.2	301.6
105°	59.0	190.3	288.2	332.4	359.2
107.5°	73.7	211.8	335.1	384.7	403.5
110°	91.2	229.2	364.6	450.4	455.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	107.2	242.6	380.7	482.6	512.1
115°	122.0	257.4	404.8	501.3	532.2
117.5°	139.4	268.1	419.6	512.1	545.6
120°	155.5	277.5	430.3	525.5	549.6
122.5°	170.2	288.2	438.3	536.2	563.0
125°	183.6	297.6	443.7	540.2	567.0
127.5°	197.0	305.6	445.0	541.6	569.7
130°	211.8	313.7	447.7	540.2	568.4
132.5°	226.5	321.7	446.4	536.2	561.7
135°	237.3	327.1	443.7	530.8	553.6
137.5°	248.0	331.1	441.0	522.8	544.2
140°	257.4	333.8	437.0	513.4	533.5
142.5°	268.1	335.1	434.3	504.0	521.4
145°	277.5	335.1	430.3	493.3	509.4
147.5°	286.9	333.8	424.9	482.6	496.0
150°	293.6	331.1	419.6	471.8	482.6
152.5°	298.9	328.4	412.9	459.8	470.5
155°	305.6	327.1	404.8	449.1	457.1
157.5°	311.0	327.1	395.4	437.0	445.0
160°	316.4	327.1	384.7	424.9	431.6
162.5°	323.1	327.1	370.0	407.5	414.2
165°	329.8	328.4	359.2	390.1	395.4
167.5°	333.8	328.4	348.5	368.6	374.0
170°	336.5	331.1	339.1	353.9	355.2
172.5°	337.8	333.8	332.4	339.1	339.1
175°	337.8	333.8	332.4	332.4	329.8
177.5°	337.8	335.1	335.1	333.8	329.8
180°	335.1	335.1	335.1	335.1	335.1

(END OF REPORT)