

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: P253489

Luminaire Tested: **J3-CL-30L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253489
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-30L93050-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2694.7 lumens
Efficiency: N/A
Efficacy: 124.8 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

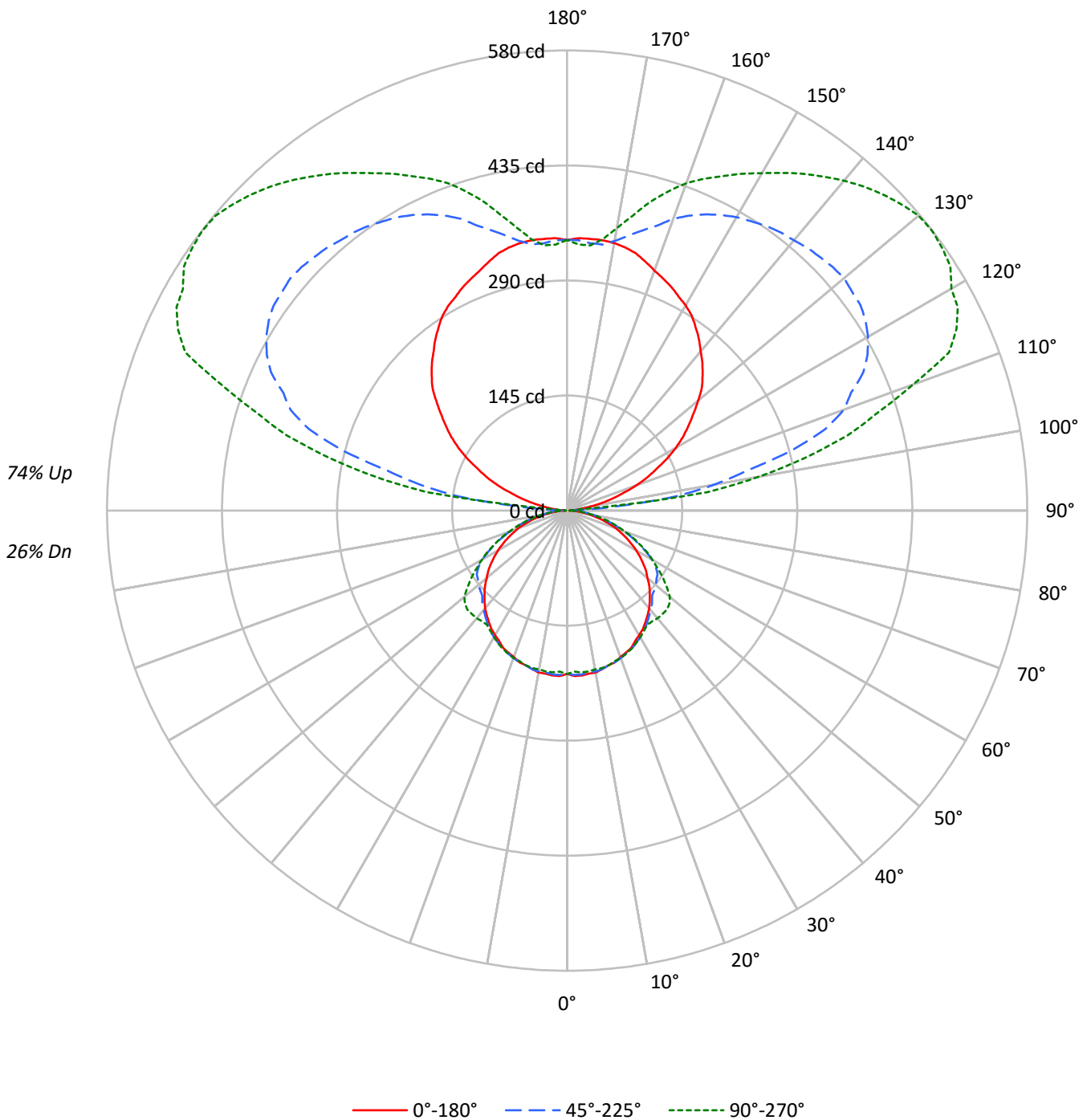
Input Watts (W): 21.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1662	1662	1662
5°	1691	1680	1658
10°	1699	1688	1666
15°	1687	1687	1687
20°	1687	1699	1699
25°	1700	1713	1713
30°	1691	1716	1716
35°	1693	1721	1734
40°	1696	1725	1868
45°	1682	1729	2024
50°	1662	1832	2124
55°	1651	1958	2073
60°	1629	2004	2004
65°	1589	1903	1927
70°	1546	1803	1834
75°	1447	1703	1744
80°	1330	1650	1585
85°	1260	1769	1519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	0.7
10°-20°	57.0	2.1
20°-30°	88.1	3.3
30°-40°	109.3	4.1
40°-50°	122.3	4.5
50°-60°	119.5	4.4
60°-70°	94.2	3.5
70°-80°	57.0	2.1
80°-90°	20.3	0.8
90°-100°	70.0	2.6
100°-110°	270.7	10.0
110°-120°	372.0	13.8
120°-130°	376.3	14.0
130°-140°	333.5	12.4
140°-150°	263.8	9.8
150°-160°	184.2	6.8
160°-170°	104.2	3.9
170°-180°	32.7	1.2
0°-30°	164.7	6.1
0°-40°	274.0	10.2
0°-60°	515.7	19.1
0°-90°	687.3	25.5
90°-120°	712.7	26.4
90°-150°	1686.4	62.6
90°-180°	2007.0	74.5
0°-180°	2694.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	206	206	206	206	206	
5°	209	206	207	206	205	20
15°	202	200	202	202	202	57
25°	191	188	192	192	192	88
35°	172	172	175	176	176	108
45°	147	149	151	170	177	114
55°	117	119	139	147	147	105
65°	83	87	100	101	101	82
75°	46	55	55	56	56	49
85°	14	22	19	18	16	14
90°	3	8	7	1	1	3
95°	11	55	66	14	14	14
105°	60	194	293	338	366	64
115°	124	262	412	510	541	124
125°	187	303	451	550	577	167
135°	241	333	451	540	563	186
145°	282	341	438	502	518	177
155°	311	333	412	457	465	143
165°	336	334	366	397	402	94
175°	344	340	338	338	336	33
180°	341	341	341	341	341	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	205.9	205.9	205.9	205.9	205.9
2.5°	208.7	205.9	207.3	205.9	203.2
5°	208.7	205.9	207.3	205.9	204.6
7.5°	207.3	205.9	205.9	204.6	204.6
10°	207.3	204.6	205.9	204.6	203.2
12.5°	204.6	203.2	204.6	203.2	203.2
15°	201.8	200.5	201.8	201.8	201.8
17.5°	200.5	197.8	200.5	200.5	199.1
20°	196.4	195.0	197.8	197.8	197.8
22.5°	193.7	192.3	195.0	195.0	195.0
25°	190.9	188.2	192.3	192.3	192.3
27.5°	185.5	185.5	188.2	189.6	188.2
30°	181.4	180.0	184.1	185.5	184.1
32.5°	177.3	175.9	180.0	181.4	180.0
35°	171.8	171.8	174.6	175.9	175.9
37.5°	166.4	166.4	169.1	170.5	175.9
40°	160.9	160.9	163.7	171.8	177.3
42.5°	154.1	154.1	158.2	170.5	177.3
45°	147.3	148.7	151.4	170.5	177.3
47.5°	140.5	141.8	148.7	169.1	174.6
50°	132.3	135.0	145.9	165.0	169.1
52.5°	125.5	126.8	141.8	158.2	158.2
55°	117.3	118.7	139.1	147.3	147.3
57.5°	109.1	110.5	132.3	135.0	135.0
60°	100.9	102.3	124.1	124.1	124.1
62.5°	91.4	94.1	111.8	113.2	113.2
65°	83.2	87.3	99.6	100.9	100.9
67.5°	73.6	80.5	88.6	90.0	90.0
70°	65.5	73.6	76.4	77.7	77.7
72.5°	55.9	64.1	65.5	66.8	66.8
75°	46.4	54.6	54.6	55.9	55.9
77.5°	36.8	43.6	45.0	45.0	45.0
80°	28.6	32.7	35.5	34.1	34.1
82.5°	20.5	25.9	25.9	25.9	24.5
85°	13.6	21.8	19.1	17.7	16.4
87.5°	8.2	19.1	10.9	9.5	9.5
90°	2.7	8.2	6.8	1.4	1.4
92.5°	5.5	13.6	6.8	5.5	4.1
95°	10.9	54.6	65.5	13.6	13.6
97.5°	20.5	91.4	140.5	166.4	178.7
100°	31.4	136.4	188.2	230.5	245.5
102.5°	45.0	165.0	231.8	285.0	306.9
105°	60.0	193.7	293.2	338.2	365.5
107.5°	75.0	215.5	341.0	391.4	410.5
110°	92.7	233.2	371.0	458.2	463.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	109.1	246.9	387.3	491.0	521.0
115°	124.1	261.9	411.9	510.1	541.4
117.5°	141.8	272.8	426.9	521.0	555.1
120°	158.2	282.3	437.8	534.6	559.2
122.5°	173.2	293.2	446.0	545.5	572.8
125°	186.8	302.8	451.4	549.6	576.9
127.5°	200.5	311.0	452.8	551.0	579.6
130°	215.5	319.1	455.5	549.6	578.3
132.5°	230.5	327.3	454.2	545.5	571.4
135°	241.4	332.8	451.4	540.1	563.3
137.5°	252.3	336.9	448.7	531.9	553.7
140°	261.9	339.6	444.6	522.3	542.8
142.5°	272.8	341.0	441.9	512.8	530.5
145°	282.3	341.0	437.8	501.9	518.3
147.5°	291.9	339.6	432.3	491.0	504.6
150°	298.7	336.9	426.9	480.1	491.0
152.5°	304.1	334.1	420.1	467.8	478.7
155°	311.0	332.8	411.9	456.9	465.1
157.5°	316.4	332.8	402.3	444.6	452.8
160°	321.9	332.8	391.4	432.3	439.2
162.5°	328.7	332.8	376.4	414.6	421.4
165°	335.5	334.1	365.5	396.9	402.3
167.5°	339.6	334.1	354.6	375.1	380.5
170°	342.3	336.9	345.0	360.0	361.4
172.5°	343.7	339.6	338.2	345.0	345.0
175°	343.7	339.6	338.2	338.2	335.5
177.5°	343.7	341.0	341.0	339.6	335.5
180°	341.0	341.0	341.0	341.0	341.0

(END OF REPORT)