

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: P275005

Luminaire Tested: **J3-CL-30L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275005
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-30L92765-1D-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, 90 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2720.7 lumens
Efficiency: N/A
Efficacy: 127.7 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

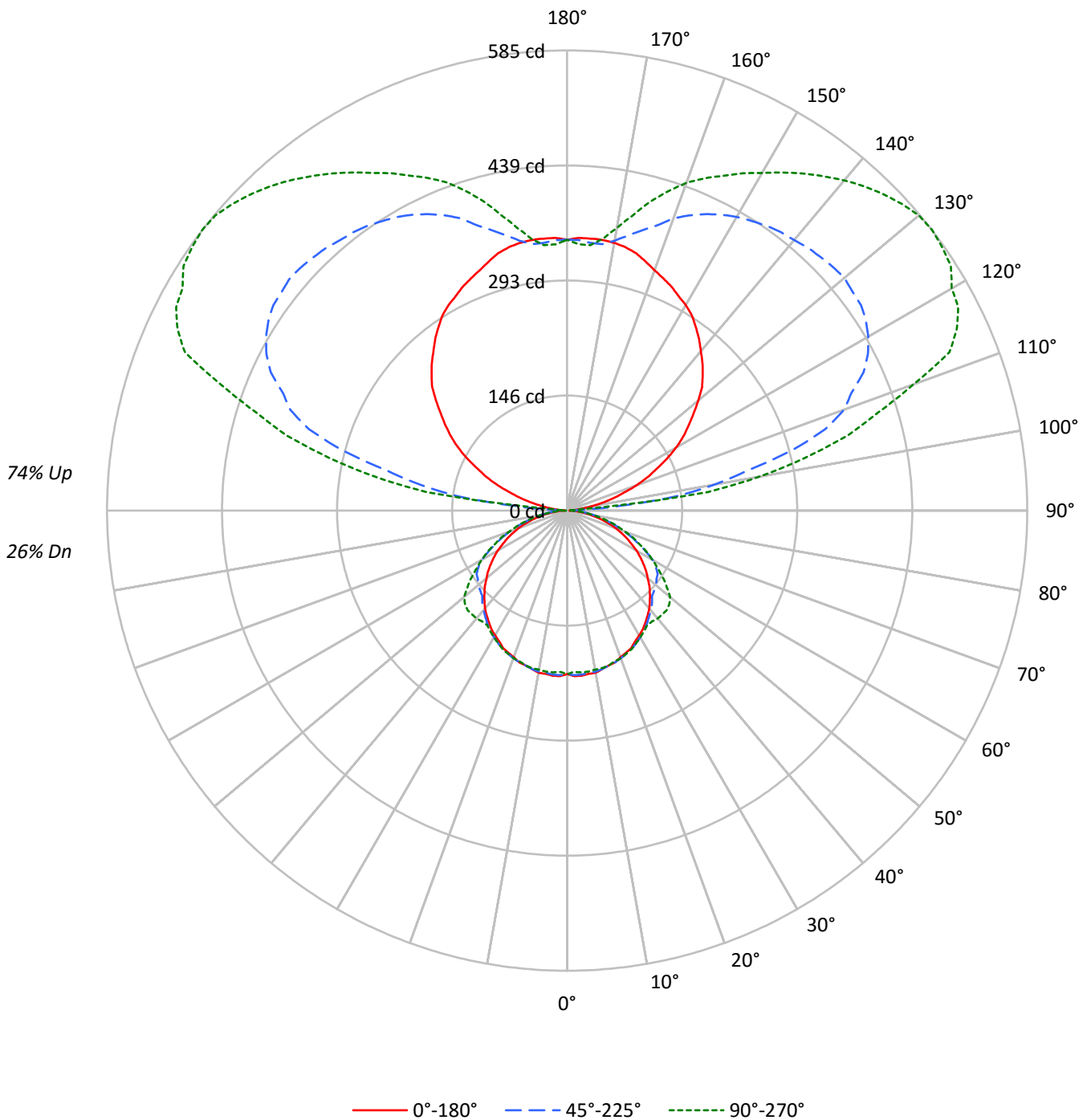
Input Watts (W): 21.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1678	1678	1678
5°	1707	1696	1673
10°	1716	1704	1682
15°	1703	1703	1703
20°	1704	1716	1716
25°	1717	1730	1730
30°	1707	1733	1733
35°	1710	1737	1750
40°	1713	1741	1886
45°	1698	1744	2044
50°	1678	1850	2144
55°	1666	1978	2093
60°	1645	2023	2023
65°	1605	1920	1947
70°	1560	1820	1853
75°	1460	1719	1762
80°	1344	1664	1599
85°	1278	1788	1528



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	0.7
10°-20°	57.5	2.1
20°-30°	88.9	3.3
30°-40°	110.3	4.1
40°-50°	123.4	4.5
50°-60°	120.6	4.4
60°-70°	95.2	3.5
70°-80°	57.6	2.1
80°-90°	20.5	0.8
90°-100°	70.7	2.6
100°-110°	273.3	10.0
110°-120°	375.6	13.8
120°-130°	380.0	14.0
130°-140°	336.8	12.4
140°-150°	266.3	9.8
150°-160°	186.0	6.8
160°-170°	105.2	3.9
170°-180°	33.0	1.2
0°-30°	166.3	6.1
0°-40°	276.6	10.2
0°-60°	520.7	19.1
0°-90°	693.9	25.5
90°-120°	719.6	26.4
90°-150°	1702.6	62.6
90°-180°	2027.0	74.5
0°-180°	2720.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	208	208	208	208	208	
5°	211	208	209	208	206	20
15°	204	202	204	204	204	58
25°	193	190	194	194	194	88
35°	174	174	176	178	178	109
45°	149	150	153	172	179	115
55°	118	120	140	149	149	106
65°	84	88	100	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	264	416	515	547	125
125°	189	306	456	555	582	169
135°	244	336	456	545	569	188
145°	285	344	442	507	523	178
155°	314	336	416	461	470	145
165°	339	337	369	401	406	95
175°	347	343	342	342	339	33
180°	344	344	344	344	344	



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CATALOG NUMBER: J3-CL-30L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	207.9	207.9	207.9	207.9	207.9
2.5°	210.7	207.9	209.3	207.9	205.2
5°	210.7	207.9	209.3	207.9	206.5
7.5°	209.3	207.9	207.9	206.5	206.5
10°	209.3	206.5	207.9	206.5	205.2
12.5°	206.5	205.2	206.5	205.2	205.2
15°	203.8	202.4	203.8	203.8	203.8
17.5°	202.4	199.7	202.4	202.4	201.0
20°	198.3	196.9	199.7	199.7	199.7
22.5°	195.5	194.2	196.9	196.9	196.9
25°	192.8	190.0	194.2	194.2	194.2
27.5°	187.3	187.3	190.0	191.4	190.0
30°	183.1	181.8	185.9	187.3	185.9
32.5°	179.0	177.6	181.8	183.1	181.8
35°	173.5	173.5	176.3	177.6	177.6
37.5°	168.0	168.0	170.7	172.1	177.6
40°	162.5	162.5	165.2	173.5	179.0
42.5°	155.6	155.6	159.7	172.1	179.0
45°	148.7	150.1	152.8	172.1	179.0
47.5°	141.8	143.2	150.1	170.7	176.3
50°	133.6	136.3	147.3	166.6	170.7
52.5°	126.7	128.1	143.2	159.7	159.7
55°	118.4	119.8	140.5	148.7	148.7
57.5°	110.2	111.5	133.6	136.3	136.3
60°	101.9	103.3	125.3	125.3	125.3
62.5°	92.3	95.0	112.9	114.3	114.3
65°	84.0	88.1	100.5	101.9	101.9
67.5°	74.4	81.2	89.5	90.9	90.9
70°	66.1	74.4	77.1	78.5	78.5
72.5°	56.5	64.7	66.1	67.5	67.5
75°	46.8	55.1	55.1	56.5	56.5
77.5°	37.2	44.1	45.4	45.4	45.4
80°	28.9	33.0	35.8	34.4	34.4
82.5°	20.7	26.2	26.2	26.2	24.8
85°	13.8	22.0	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	66.1	13.8	13.8
97.5°	20.7	92.3	141.8	168.0	180.4
100°	31.7	137.7	190.0	232.7	247.9
102.5°	45.4	166.6	234.1	287.8	309.8
105°	60.6	195.5	296.1	341.5	369.0
107.5°	75.7	217.6	344.2	395.2	414.5
110°	93.6	235.5	374.5	462.7	468.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	110.2	249.2	391.1	495.7	526.0
115°	125.3	264.4	415.8	515.0	546.7
117.5°	143.2	275.4	431.0	526.0	560.4
120°	159.7	285.0	442.0	539.8	564.6
122.5°	174.9	296.1	450.3	550.8	578.3
125°	188.6	305.7	455.8	554.9	582.5
127.5°	202.4	314.0	457.2	556.3	585.2
130°	217.6	322.2	459.9	554.9	583.8
132.5°	232.7	330.5	458.5	550.8	577.0
135°	243.7	336.0	455.8	545.3	568.7
137.5°	254.7	340.1	453.0	537.0	559.1
140°	264.4	342.9	448.9	527.4	548.0
142.5°	275.4	344.2	446.1	517.7	535.6
145°	285.0	344.2	442.0	506.7	523.3
147.5°	294.7	342.9	436.5	495.7	509.5
150°	301.6	340.1	431.0	484.7	495.7
152.5°	307.1	337.4	424.1	472.3	483.3
155°	314.0	336.0	415.8	461.3	469.6
157.5°	319.5	336.0	406.2	448.9	457.2
160°	325.0	336.0	395.2	436.5	443.4
162.5°	331.9	336.0	380.0	418.6	425.5
165°	338.7	337.4	369.0	400.7	406.2
167.5°	342.9	337.4	358.0	378.7	384.2
170°	345.6	340.1	348.4	363.5	364.9
172.5°	347.0	342.9	341.5	348.4	348.4
175°	347.0	342.9	341.5	341.5	338.7
177.5°	347.0	344.2	344.2	342.9	338.7
180°	344.2	344.2	344.2	344.2	344.2

(END OF REPORT)