

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: P275213

Luminaire Tested: **J3-UL-40L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P275213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-16)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-40L92765-1D-UNV-W2A-W-4 (5700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN 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: 3784.1 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

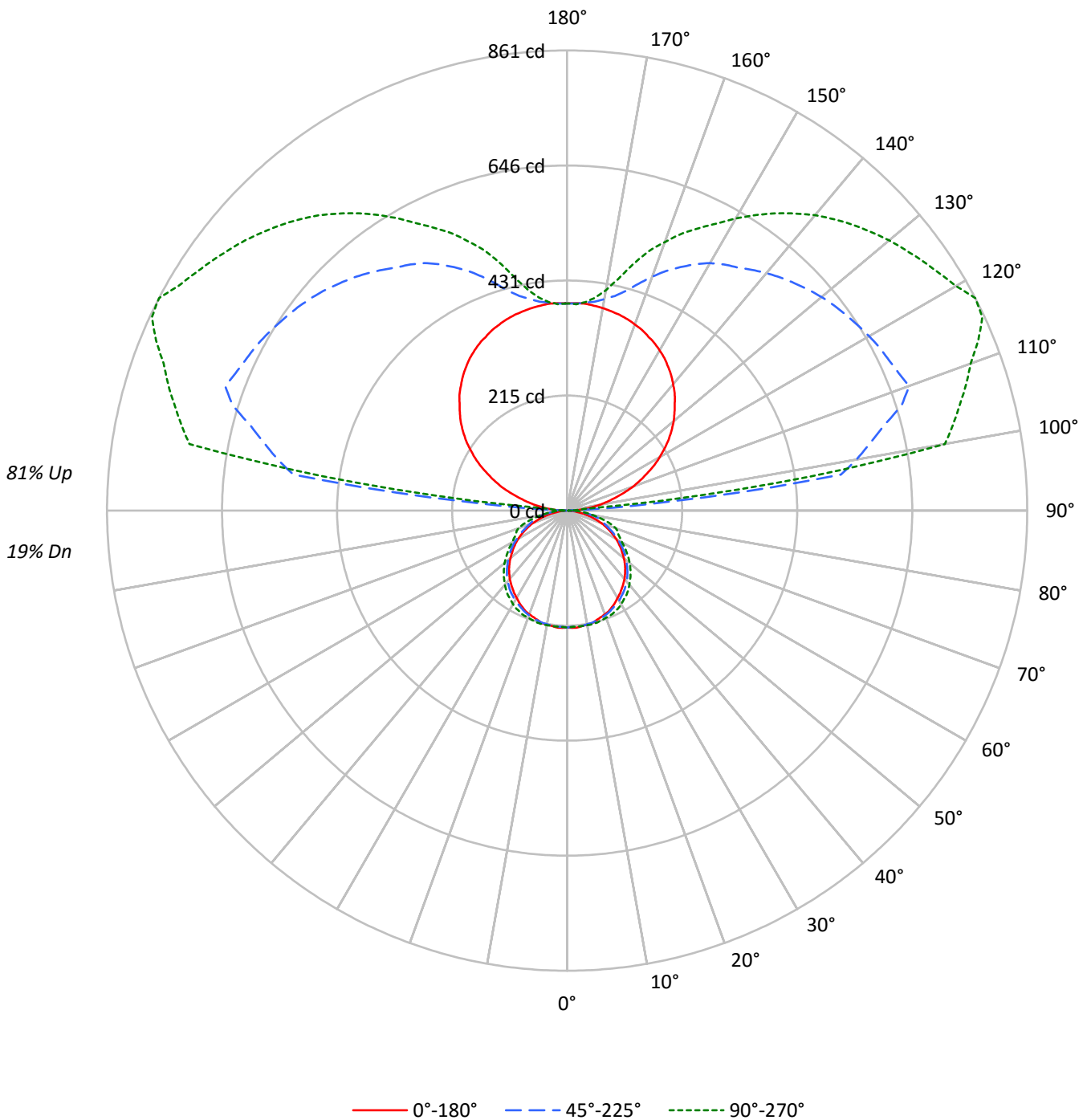
Input Watts (W): 28.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19				
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	24	23	23	15				
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13				
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10				
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9				
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8				
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7				
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6				
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5				
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1766	1766	1766
5°	1780	1765	1765
10°	1778	1770	1785
15°	1774	1781	1813
20°	1774	1790	1831
25°	1773	1798	1864
30°	1758	1811	1890
35°	1756	1821	1905
40°	1759	1819	1909
45°	1755	1820	1917
50°	1741	1812	1919
55°	1726	1804	1911
60°	1705	1781	1918
65°	1658	1765	2017
70°	1603	1780	2292
75°	1472	2031	2324
80°	1269	2060	2236
85°	963	2269	2529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.5
10°-20°	60.5	1.6
20°-30°	93.7	2.5
30°-40°	115.9	3.1
40°-50°	123.6	3.3
50°-60°	115.2	3.0
60°-70°	94.0	2.5
70°-80°	64.7	1.7
80°-90°	25.3	0.7
90°-100°	220.3	5.8
100°-110°	571.1	15.1
110°-120°	592.5	15.7
120°-130°	527.3	13.9
130°-140°	439.3	11.6
140°-150°	334.6	8.8
150°-160°	225.3	6.0
160°-170°	122.3	3.2
170°-180°	37.6	1.0
0°-30°	175.0	4.6
0°-40°	290.9	7.7
0°-60°	529.7	14.0
0°-90°	713.7	18.9
90°-120°	1383.8	36.6
90°-150°	2685.1	71.0
90°-180°	3070.0	81.1
0°-180°	3784.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	219	219	219	219	219	
5°	220	220	218	218	218	21
15°	212	213	213	216	217	60
25°	199	199	202	208	209	92
35°	178	180	185	190	193	112
45°	154	156	159	165	168	118
55°	123	125	128	132	136	109
65°	87	89	92	101	106	86
75°	47	50	65	73	74	50
85°	10	20	24	28	27	12
90°	2	2	2	2	2	4
95°	32	249	191	31	30	32
105°	93	395	613	726	760	100
115°	165	408	665	830	857	164
125°	232	418	638	773	813	207
135°	285	429	602	720	756	220
145°	329	422	555	647	679	206
155°	359	403	503	567	583	166
165°	379	391	425	465	477	107
175°	388	390	390	392	391	37
180°	388	388	388	388	388	



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CATALOG NUMBER: J3-UL-40L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	218.8	218.8	218.8	218.8	218.8
2.5°	219.7	219.7	217.8	217.8	217.8
5°	219.7	219.7	217.8	217.8	217.8
7.5°	217.8	218.8	217.8	217.8	217.8
10°	216.9	216.9	215.9	216.9	217.8
12.5°	215.9	215.9	215.0	216.9	217.8
15°	212.2	213.1	213.1	215.9	216.9
17.5°	209.3	210.3	211.2	214.1	215.0
20°	206.5	206.5	208.4	212.2	213.1
22.5°	203.7	203.7	205.6	210.3	212.2
25°	199.0	199.0	201.8	207.5	209.3
27.5°	194.3	195.2	198.0	203.7	206.5
30°	188.6	190.5	194.3	199.9	202.7
32.5°	183.9	185.8	189.5	195.2	197.1
35°	178.2	180.1	184.8	190.5	193.3
37.5°	172.6	174.5	179.2	184.8	187.7
40°	166.9	168.8	172.6	179.2	181.1
42.5°	160.3	162.2	166.9	172.6	174.5
45°	153.7	155.6	159.4	165.0	167.9
47.5°	146.2	149.0	151.8	157.5	160.3
50°	138.6	141.5	144.3	149.9	152.8
52.5°	130.1	133.9	136.7	141.5	144.3
55°	122.6	125.4	128.2	132.0	135.8
57.5°	114.1	116.9	119.8	124.5	127.3
60°	105.6	107.5	110.3	115.0	118.8
62.5°	96.2	99.0	100.9	106.6	112.2
65°	86.8	88.6	92.4	100.9	105.6
67.5°	77.3	79.2	83.0	95.2	102.8
70°	67.9	69.8	75.4	92.4	97.1
72.5°	56.6	59.4	68.8	84.9	86.8
75°	47.2	50.0	65.1	72.6	74.5
77.5°	36.8	40.5	55.6	60.4	61.3
80°	27.3	33.9	44.3	48.1	48.1
82.5°	17.9	28.3	33.9	37.7	37.7
85°	10.4	19.8	24.5	28.3	27.3
87.5°	6.6	13.2	18.9	21.7	20.7
90°	1.9	1.9	1.9	1.9	1.9
92.5°	17.9	50.0	15.1	14.1	14.1
95°	32.1	249.0	191.4	31.1	30.2
97.5°	45.3	303.6	516.8	610.1	396.1
100°	61.3	361.2	549.8	679.9	717.6
102.5°	76.4	385.7	579.9	698.8	739.3
105°	93.4	395.1	613.0	726.1	760.1
107.5°	112.2	400.8	656.3	748.7	782.7
110°	131.1	403.6	680.8	778.9	803.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	148.1	405.5	671.4	810.0	832.7
115°	165.0	408.3	664.8	829.8	857.2
117.5°	183.9	410.2	659.2	811.0	861.0
120°	199.9	413.0	652.6	797.8	840.2
122.5°	215.9	415.9	645.0	785.5	826.1
125°	232.0	417.7	637.5	773.3	812.9
127.5°	246.1	419.6	629.9	760.1	799.7
130°	260.3	425.3	621.4	747.8	786.5
132.5°	272.5	429.1	612.0	732.7	771.4
135°	284.8	429.1	601.6	719.5	756.3
137.5°	298.0	429.1	591.3	702.5	739.3
140°	308.4	427.2	579.9	685.6	721.4
142.5°	319.7	425.3	567.7	667.6	700.7
145°	329.1	421.5	555.4	646.9	679.0
147.5°	338.5	416.8	546.0	626.2	655.4
150°	346.1	412.1	534.7	605.4	630.9
152.5°	353.6	406.4	519.6	585.6	605.4
155°	359.3	402.7	502.6	566.7	582.8
157.5°	365.9	399.8	485.6	545.1	561.1
160°	370.6	396.1	465.8	520.5	534.7
162.5°	375.3	393.2	445.1	494.1	509.2
165°	379.1	391.3	425.3	464.9	477.2
167.5°	381.9	390.4	411.1	435.7	444.2
170°	384.7	389.5	401.7	415.9	418.7
172.5°	386.6	389.5	394.2	400.8	401.7
175°	388.5	390.4	390.4	392.3	391.3
177.5°	388.5	389.5	387.6	388.5	386.6
180°	387.6	387.6	387.6	387.6	387.6

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