

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: P275018

Luminaire Tested: **J3-CL-40L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275018
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-40L92765-1D-UNV-W2A-W-4 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3393.6 lumens
Efficiency: N/A
Efficacy: 120.3 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

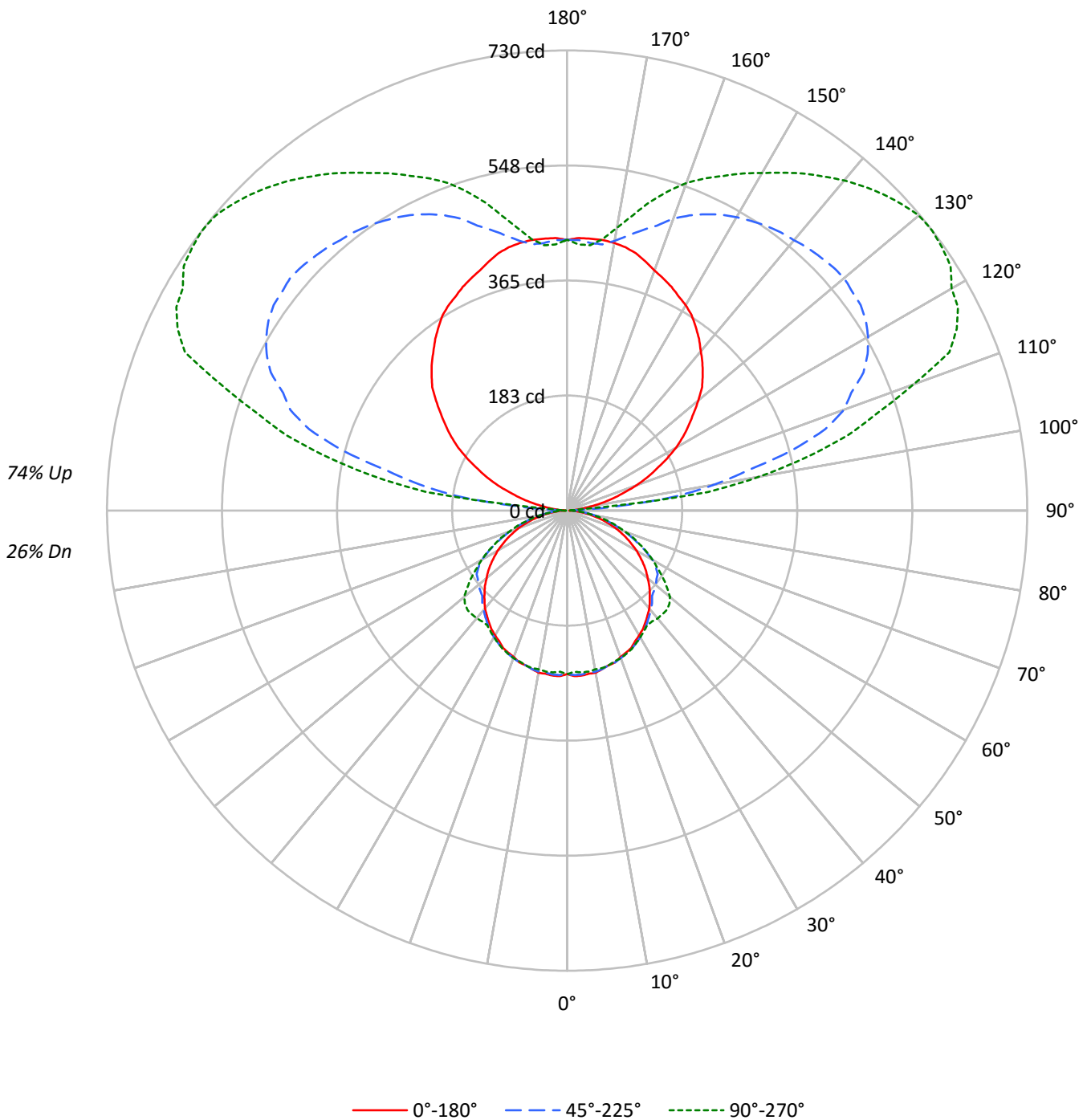
Input Watts (W): 28.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2094	2094	2094
5°	2130	2116	2088
10°	2140	2126	2098
15°	2125	2125	2125
20°	2125	2139	2139
25°	2142	2157	2157
30°	2129	2162	2162
35°	2133	2166	2184
40°	2136	2172	2353
45°	2118	2176	2549
50°	2092	2308	2675
55°	2079	2466	2611
60°	2052	2524	2524
65°	2002	2395	2428
70°	1945	2271	2311
75°	1822	2143	2196
80°	1678	2078	1994
85°	1593	2223	1908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	0.7
10°-20°	71.8	2.1
20°-30°	110.9	3.3
30°-40°	137.6	4.1
40°-50°	154.0	4.5
50°-60°	150.4	4.4
60°-70°	118.7	3.5
70°-80°	71.8	2.1
80°-90°	25.6	0.8
90°-100°	88.2	2.6
100°-110°	340.9	10.0
110°-120°	468.5	13.8
120°-130°	473.9	14.0
130°-140°	420.0	12.4
140°-150°	332.2	9.8
150°-160°	232.0	6.8
160°-170°	131.3	3.9
170°-180°	41.2	1.2
0°-30°	207.4	6.1
0°-40°	345.0	10.2
0°-60°	649.4	19.1
0°-90°	865.5	25.5
90°-120°	897.5	26.4
90°-150°	2123.7	62.6
90°-180°	2528.0	74.5
0°-180°	3393.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	259	259	259	259	259	
5°	263	259	261	259	258	25
15°	254	252	254	254	254	72
25°	240	237	242	242	242	110
35°	216	216	220	222	222	135
45°	186	187	191	215	223	143
55°	148	149	175	186	186	132
65°	105	110	125	127	127	103
75°	58	69	69	70	70	62
85°	17	28	24	22	21	18
90°	3	10	9	2	2	3
95°	14	69	82	17	17	17
105°	76	244	369	426	460	80
115°	156	330	519	642	682	156
125°	235	381	568	692	726	210
135°	304	419	568	680	709	234
145°	356	429	551	632	653	222
155°	392	419	519	575	586	181
165°	422	421	460	500	507	119
175°	433	428	426	426	422	41
180°	429	429	429	429	429	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	259.4	259.4	259.4	259.4	259.4
2.5°	262.8	259.4	261.1	259.4	255.9
5°	262.8	259.4	261.1	259.4	257.6
7.5°	261.1	259.4	259.4	257.6	257.6
10°	261.1	257.6	259.4	257.6	255.9
12.5°	257.6	255.9	257.6	255.9	255.9
15°	254.2	252.5	254.2	254.2	254.2
17.5°	252.5	249.0	252.5	252.5	250.8
20°	247.3	245.6	249.0	249.0	249.0
22.5°	243.9	242.2	245.6	245.6	245.6
25°	240.5	237.0	242.2	242.2	242.2
27.5°	233.6	233.6	237.0	238.7	237.0
30°	228.4	226.7	231.9	233.6	231.9
32.5°	223.3	221.6	226.7	228.4	226.7
35°	216.4	216.4	219.8	221.6	221.6
37.5°	209.5	209.5	213.0	214.7	221.6
40°	202.7	202.7	206.1	216.4	223.3
42.5°	194.1	194.1	199.2	214.7	223.3
45°	185.5	187.2	190.6	214.7	223.3
47.5°	176.9	178.6	187.2	213.0	219.8
50°	166.6	170.0	183.8	207.8	213.0
52.5°	158.0	159.7	178.6	199.2	199.2
55°	147.7	149.4	175.2	185.5	185.5
57.5°	137.4	139.1	166.6	170.0	170.0
60°	127.1	128.8	156.3	156.3	156.3
62.5°	115.1	118.5	140.8	142.6	142.6
65°	104.8	109.9	125.4	127.1	127.1
67.5°	92.7	101.3	111.6	113.4	113.4
70°	82.4	92.7	96.2	97.9	97.9
72.5°	70.4	80.7	82.4	84.2	84.2
75°	58.4	68.7	68.7	70.4	70.4
77.5°	46.4	55.0	56.7	56.7	56.7
80°	36.1	41.2	44.7	42.9	42.9
82.5°	25.8	32.6	32.6	32.6	30.9
85°	17.2	27.5	24.0	22.3	20.6
87.5°	10.3	24.0	13.7	12.0	12.0
90°	3.4	10.3	8.6	1.7	1.7
92.5°	6.9	17.2	8.6	6.9	5.2
95°	13.7	68.7	82.4	17.2	17.2
97.5°	25.8	115.1	176.9	209.5	225.0
100°	39.5	171.8	237.0	290.3	309.2
102.5°	56.7	207.8	292.0	359.0	386.5
105°	75.6	243.9	369.3	426.0	460.3
107.5°	94.5	271.4	429.4	492.9	517.0
110°	116.8	293.7	467.2	577.1	584.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	137.4	310.9	487.8	618.3	656.1
115°	156.3	329.8	518.7	642.4	681.9
117.5°	178.6	343.5	537.6	656.1	699.0
120°	199.2	355.5	551.3	673.3	704.2
122.5°	218.1	369.3	561.6	687.0	721.4
125°	235.3	381.3	568.5	692.2	726.5
127.5°	252.5	391.6	570.2	693.9	730.0
130°	271.4	401.9	573.7	692.2	728.2
132.5°	290.3	412.2	571.9	687.0	719.7
135°	304.0	419.1	568.5	680.2	709.4
137.5°	317.7	424.2	565.1	669.8	697.3
140°	329.8	427.7	559.9	657.8	683.6
142.5°	343.5	429.4	556.5	645.8	668.1
145°	355.5	429.4	551.3	632.1	652.7
147.5°	367.6	427.7	544.5	618.3	635.5
150°	376.1	424.2	537.6	604.6	618.3
152.5°	383.0	420.8	529.0	589.1	602.9
155°	391.6	419.1	518.7	575.4	585.7
157.5°	398.5	419.1	506.7	559.9	570.2
160°	405.3	419.1	492.9	544.5	553.1
162.5°	413.9	419.1	474.0	522.1	530.7
165°	422.5	420.8	460.3	499.8	506.7
167.5°	427.7	420.8	446.6	472.3	479.2
170°	431.1	424.2	434.5	453.4	455.2
172.5°	432.8	427.7	426.0	434.5	434.5
175°	432.8	427.7	426.0	426.0	422.5
177.5°	432.8	429.4	429.4	427.7	422.5
180°	429.4	429.4	429.4	429.4	429.4

(END OF REPORT)