

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: P275206

Luminaire Tested: **J3-UL-40L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-40L82765-1D-UNV-W2A-W-4 (6500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4193.5 lumens
Efficiency: N/A
Efficacy: 144.1 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

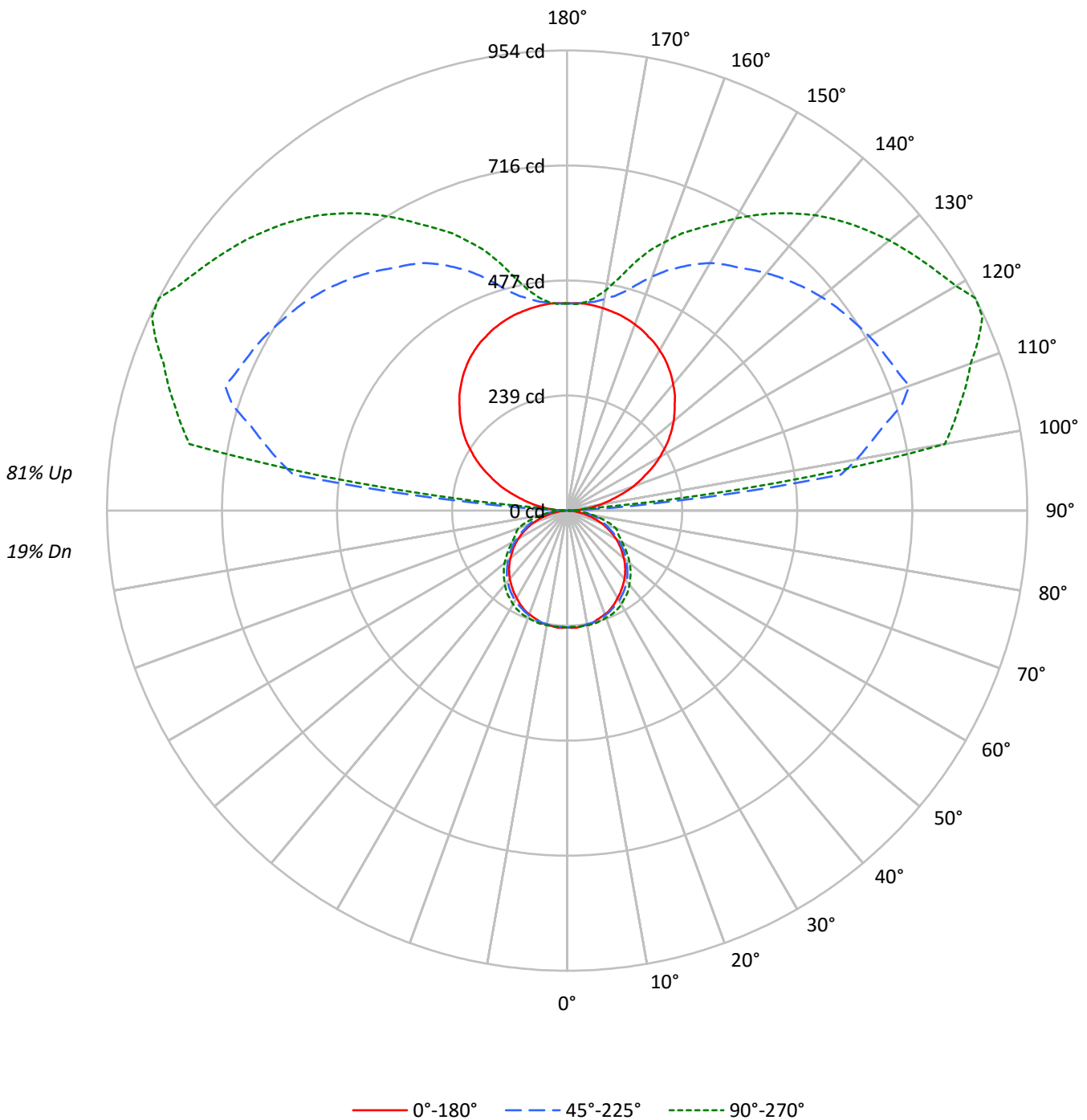
Input Watts (W): 29.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1957	1957	1957
5°	1973	1956	1956
10°	1971	1962	1979
15°	1965	1974	2009
20°	1966	1984	2029
25°	1964	1992	2067
30°	1948	2007	2095
35°	1946	2018	2111
40°	1950	2015	2114
45°	1944	2016	2124
50°	1929	2008	2126
55°	1913	2000	2118
60°	1889	1975	2126
65°	1836	1956	2235
70°	1775	1973	2540
75°	1631	2249	2576
80°	1409	2283	2478
85°	1065	2519	2807



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.1	0.5
10°-20°	67.0	1.6
20°-30°	103.8	2.5
30°-40°	128.4	3.1
40°-50°	136.9	3.3
50°-60°	127.6	3.0
60°-70°	104.2	2.5
70°-80°	71.7	1.7
80°-90°	28.1	0.7
90°-100°	244.2	5.8
100°-110°	632.8	15.1
110°-120°	656.6	15.7
120°-130°	584.3	13.9
130°-140°	486.9	11.6
140°-150°	370.8	8.8
150°-160°	249.7	6.0
160°-170°	135.6	3.2
170°-180°	41.7	1.0
0°-30°	193.9	4.6
0°-40°	322.4	7.7
0°-60°	586.9	14.0
0°-90°	791.0	18.9
90°-120°	1533.5	36.6
90°-150°	2975.5	71.0
90°-180°	3403.0	81.2
0°-180°	4193.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	242	242	242	242	242	
5°	244	244	241	241	241	23
15°	235	236	236	239	240	67
25°	220	220	224	230	232	102
35°	198	200	205	211	214	124
45°	170	172	177	183	186	131
55°	136	139	142	146	150	121
65°	96	98	102	112	117	95
75°	52	55	72	80	83	55
85°	12	22	27	31	30	14
90°	2	2	2	2	2	4
95°	36	276	212	34	33	35
105°	104	438	679	805	842	111
115°	183	452	737	920	950	182
125°	257	463	706	857	901	229
135°	316	476	667	797	838	244
145°	365	467	616	717	752	228
155°	398	446	557	628	646	184
165°	420	434	471	515	529	119
175°	430	433	433	435	434	41
180°	430	430	430	430	430	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	242.4	242.4	242.4	242.4	242.4
2.5°	243.5	243.5	241.4	241.4	241.4
5°	243.5	243.5	241.4	241.4	241.4
7.5°	241.4	242.4	241.4	241.4	241.4
10°	240.4	240.4	239.3	240.4	241.4
12.5°	239.3	239.3	238.3	240.4	241.4
15°	235.1	236.2	236.2	239.3	240.4
17.5°	232.0	233.0	234.1	237.2	238.3
20°	228.9	228.9	230.9	235.1	236.2
22.5°	225.7	225.7	227.8	233.0	235.1
25°	220.5	220.5	223.6	229.9	232.0
27.5°	215.3	216.3	219.5	225.7	228.9
30°	209.0	211.1	215.3	221.5	224.7
32.5°	203.8	205.9	210.0	216.3	218.4
35°	197.5	199.6	204.8	211.1	214.2
37.5°	191.2	193.3	198.6	204.8	208.0
40°	185.0	187.1	191.2	198.6	200.6
42.5°	177.7	179.7	185.0	191.2	193.3
45°	170.3	172.4	176.6	182.9	186.0
47.5°	162.0	165.1	168.2	174.5	177.7
50°	153.6	156.8	159.9	166.2	169.3
52.5°	144.2	148.4	151.5	156.8	159.9
55°	135.9	139.0	142.1	146.3	150.5
57.5°	126.4	129.6	132.7	137.9	141.1
60°	117.0	119.1	122.3	127.5	131.7
62.5°	106.6	109.7	111.8	118.1	124.4
65°	96.1	98.2	102.4	111.8	117.0
67.5°	85.7	87.8	92.0	105.5	113.9
70°	75.2	77.3	83.6	102.4	107.6
72.5°	62.7	65.8	76.3	94.1	96.1
75°	52.3	55.4	72.1	80.5	82.6
77.5°	40.8	44.9	61.7	66.9	67.9
80°	30.3	37.6	49.1	53.3	53.3
82.5°	19.9	31.4	37.6	41.8	41.8
85°	11.5	21.9	27.2	31.4	30.3
87.5°	7.3	14.6	20.9	24.0	23.0
90°	2.1	2.1	2.1	2.1	2.1
92.5°	19.9	55.4	16.7	15.7	15.7
95°	35.5	275.9	212.1	34.5	33.4
97.5°	50.2	336.5	572.7	676.1	438.9
100°	67.9	400.2	609.2	753.4	795.2
102.5°	84.6	427.4	642.7	774.3	819.3
105°	103.5	437.9	679.3	804.7	842.3
107.5°	124.4	444.1	727.3	829.7	867.4
110°	145.3	447.3	754.5	863.2	890.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	164.1	449.4	744.0	897.7	922.7
115°	182.9	452.5	736.7	919.6	949.9
117.5°	203.8	454.6	730.5	898.7	954.1
120°	221.5	457.7	723.1	884.1	931.1
122.5°	239.3	460.8	714.8	870.5	915.4
125°	257.1	462.9	706.4	856.9	900.8
127.5°	272.7	465.0	698.1	842.3	886.2
130°	288.4	471.3	688.7	828.7	871.5
132.5°	302.0	475.5	678.2	812.0	854.8
135°	315.6	475.5	666.7	797.3	838.1
137.5°	330.2	475.5	655.2	778.5	819.3
140°	341.7	473.4	642.7	759.7	799.4
142.5°	354.3	471.3	629.1	739.9	776.4
145°	364.7	467.1	615.5	716.9	752.4
147.5°	375.2	461.9	605.1	693.9	726.3
150°	383.5	456.7	592.5	670.9	699.1
152.5°	391.9	450.4	575.8	648.9	670.9
155°	398.1	446.2	557.0	628.0	645.8
157.5°	405.5	443.1	538.2	604.0	621.8
160°	410.7	438.9	516.2	576.8	592.5
162.5°	415.9	435.8	493.2	547.6	564.3
165°	420.1	433.7	471.3	515.2	528.8
167.5°	423.2	432.6	455.6	482.8	492.2
170°	426.4	431.6	445.2	460.8	464.0
172.5°	428.5	431.6	436.8	444.1	445.2
175°	430.5	432.6	432.6	434.7	433.7
177.5°	430.5	431.6	429.5	430.5	428.5
180°	429.5	429.5	429.5	429.5	429.5

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