

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: P275063

Luminaire Tested: **J3-CL-80L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275063  
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-80L92765-1D-UNV-W2A-W-4 (2700K)  
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 2700K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5994.7 lumens  
Efficiency: N/A  
Efficacy: 96.4 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

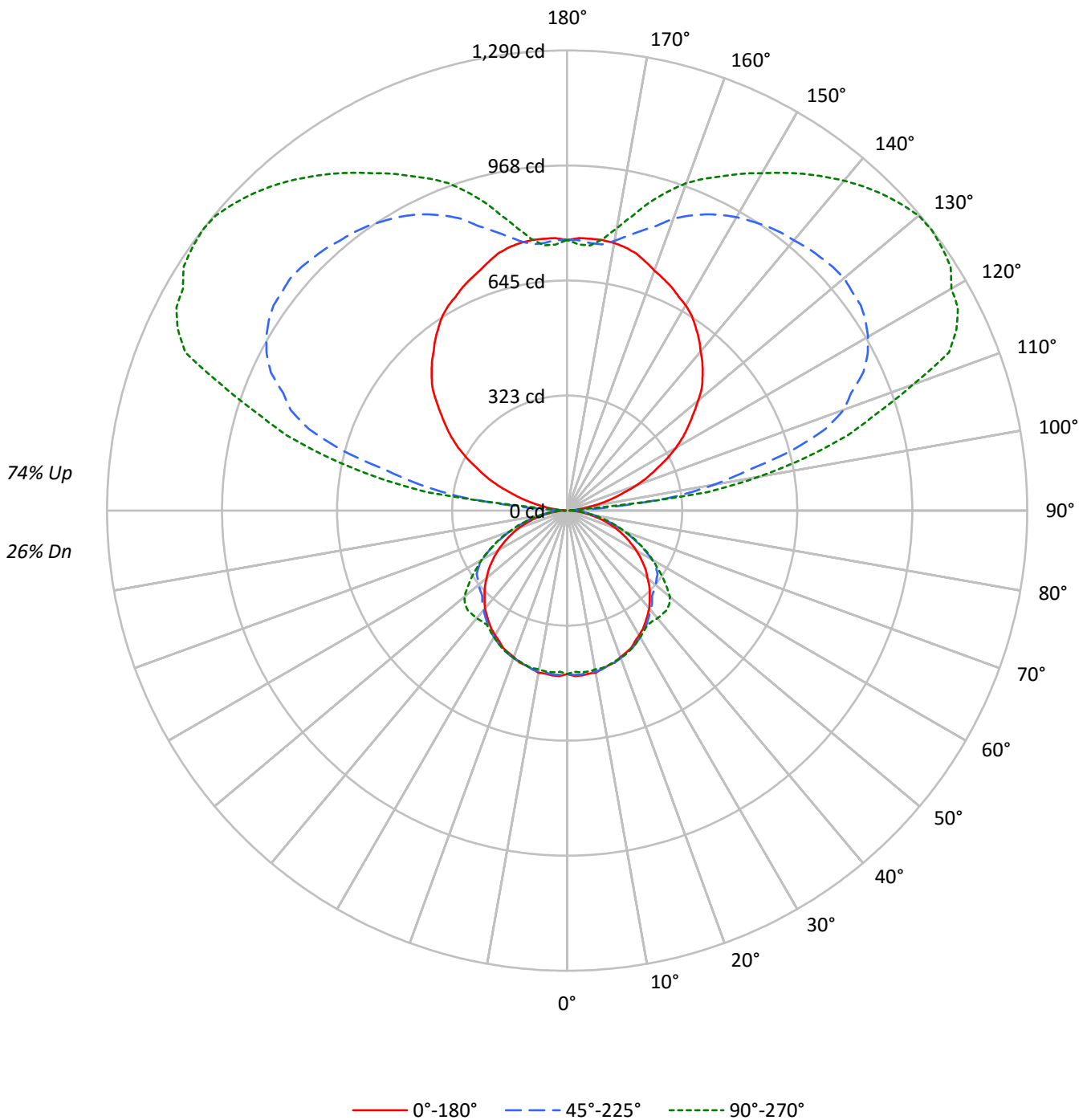
Input Watts (W): 62.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				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	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°	3698	3698	3698
5°	3762	3737	3688
10°	3781	3755	3706
15°	3753	3753	3753
20°	3753	3779	3779
25°	3784	3811	3811
30°	3761	3818	3818
35°	3768	3828	3857
40°	3773	3837	4156
45°	3741	3845	4503
50°	3696	4077	4725
55°	3672	4356	4612
60°	3625	4458	4458
65°	3536	4231	4288
70°	3437	4010	4081
75°	3219	3787	3880
80°	2961	3668	3529
85°	2807	3937	3372



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.7	0.7
10°-20°	126.8	2.1
20°-30°	196.0	3.3
30°-40°	243.1	4.1
40°-50°	272.0	4.5
50°-60°	265.8	4.4
60°-70°	209.7	3.5
70°-80°	126.9	2.1
80°-90°	45.2	0.8
90°-100°	155.7	2.6
100°-110°	602.2	10.0
110°-120°	827.5	13.8
120°-130°	837.2	14.0
130°-140°	742.0	12.4
140°-150°	586.8	9.8
150°-160°	409.7	6.8
160°-170°	231.9	3.9
170°-180°	72.7	1.2
0°-30°	366.4	6.1
0°-40°	609.5	10.2
0°-60°	1147.3	19.1
0°-90°	1529.0	25.5
90°-120°	1585.4	26.4
90°-150°	3751.4	62.6
90°-180°	4466.0	74.5
0°-180°	5994.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	458	458	458	458	458	
5°	464	458	461	458	455	44
15°	449	446	449	449	449	127
25°	425	419	428	428	428	195
35°	382	382	388	391	391	239
45°	328	331	337	379	394	253
55°	261	264	310	328	328	233
65°	185	194	222	224	224	182
75°	103	121	121	124	124	109
85°	30	48	42	39	36	32
90°	6	18	15	3	3	6
95°	24	121	146	30	30	30
105°	134	431	652	752	813	142
115°	276	582	916	1135	1204	275
125°	416	674	1004	1223	1283	372
135°	537	740	1004	1202	1253	414
145°	628	758	974	1116	1153	393
155°	692	740	916	1016	1035	319
165°	746	743	813	883	895	210
175°	765	756	752	752	746	73
180°	758	758	758	758	758	



TEST NUMBER: P275063

CATALOG NUMBER: J3-CL-80L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	458.1	458.1	458.1	458.1	458.1
2.5°	464.2	458.1	461.2	458.1	452.1
5°	464.2	458.1	461.2	458.1	455.1
7.5°	461.2	458.1	458.1	455.1	455.1
10°	461.2	455.1	458.1	455.1	452.1
12.5°	455.1	452.1	455.1	452.1	452.1
15°	449.0	446.0	449.0	449.0	449.0
17.5°	446.0	439.9	446.0	446.0	443.0
20°	436.9	433.9	439.9	439.9	439.9
22.5°	430.8	427.8	433.9	433.9	433.9
25°	424.8	418.7	427.8	427.8	427.8
27.5°	412.6	412.6	418.7	421.7	418.7
30°	403.5	400.5	409.6	412.6	409.6
32.5°	394.4	391.4	400.5	403.5	400.5
35°	382.3	382.3	388.4	391.4	391.4
37.5°	370.1	370.1	376.2	379.3	391.4
40°	358.0	358.0	364.1	382.3	394.4
42.5°	342.8	342.8	351.9	379.3	394.4
45°	327.7	330.7	336.8	379.3	394.4
47.5°	312.5	315.5	330.7	376.2	388.4
50°	294.3	300.4	324.6	367.1	376.2
52.5°	279.1	282.2	315.5	351.9	351.9
55°	260.9	264.0	309.5	327.7	327.7
57.5°	242.7	245.8	294.3	300.4	300.4
60°	224.5	227.6	276.1	276.1	276.1
62.5°	203.3	209.3	248.8	251.8	251.8
65°	185.1	194.2	221.5	224.5	224.5
67.5°	163.8	179.0	197.2	200.2	200.2
70°	145.6	163.8	169.9	172.9	172.9
72.5°	124.4	142.6	145.6	148.7	148.7
75°	103.2	121.4	121.4	124.4	124.4
77.5°	81.9	97.1	100.1	100.1	100.1
80°	63.7	72.8	78.9	75.9	75.9
82.5°	45.5	57.6	57.6	57.6	54.6
85°	30.3	48.5	42.5	39.4	36.4
87.5°	18.2	42.5	24.3	21.2	21.2
90°	6.1	18.2	15.2	3.0	3.0
92.5°	12.1	30.3	15.2	12.1	9.1
95°	24.3	121.4	145.6	30.3	30.3
97.5°	45.5	203.3	312.5	370.1	397.5
100°	69.8	303.4	418.7	512.7	546.1
102.5°	100.1	367.1	515.8	634.1	682.7
105°	133.5	430.8	652.3	752.4	813.1
107.5°	166.9	479.4	758.5	870.8	913.2
110°	206.3	518.8	825.2	1019.4	1031.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	242.7	549.2	861.7	1092.2	1159.0
115°	276.1	582.5	916.3	1134.7	1204.5
117.5°	315.5	606.8	949.6	1159.0	1234.8
120°	351.9	628.0	973.9	1189.3	1243.9
122.5°	385.3	652.3	992.1	1213.6	1274.3
125°	415.7	673.5	1004.3	1222.7	1283.4
127.5°	446.0	691.8	1007.3	1225.7	1289.5
130°	479.4	710.0	1013.4	1222.7	1286.4
132.5°	512.7	728.2	1010.3	1213.6	1271.2
135°	537.0	740.3	1004.3	1201.5	1253.0
137.5°	561.3	749.4	998.2	1183.3	1231.8
140°	582.5	755.5	989.1	1162.0	1207.5
142.5°	606.8	758.5	983.0	1140.8	1180.2
145°	628.0	758.5	973.9	1116.5	1152.9
147.5°	649.3	755.5	961.8	1092.2	1122.6
150°	664.4	749.4	949.6	1068.0	1092.2
152.5°	676.6	743.3	934.5	1040.7	1064.9
155°	691.8	740.3	916.3	1016.4	1034.6
157.5°	703.9	740.3	895.0	989.1	1007.3
160°	716.0	740.3	870.8	961.8	976.9
162.5°	731.2	740.3	837.4	922.3	937.5
165°	746.4	743.3	813.1	882.9	895.0
167.5°	755.5	743.3	788.8	834.4	846.5
170°	761.5	749.4	767.6	801.0	804.0
172.5°	764.6	755.5	752.4	767.6	767.6
175°	764.6	755.5	752.4	752.4	746.4
177.5°	764.6	758.5	758.5	755.5	746.4
180°	758.5	758.5	758.5	758.5	758.5

(END OF REPORT)