

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: P275042

Luminaire Tested: **J3-CL-60L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275042  
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-60L82765-1D-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, 80 CRI LEDS, TUNED TO 4000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5769.4 lumens  
Efficiency: N/A  
Efficacy: 129.4 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

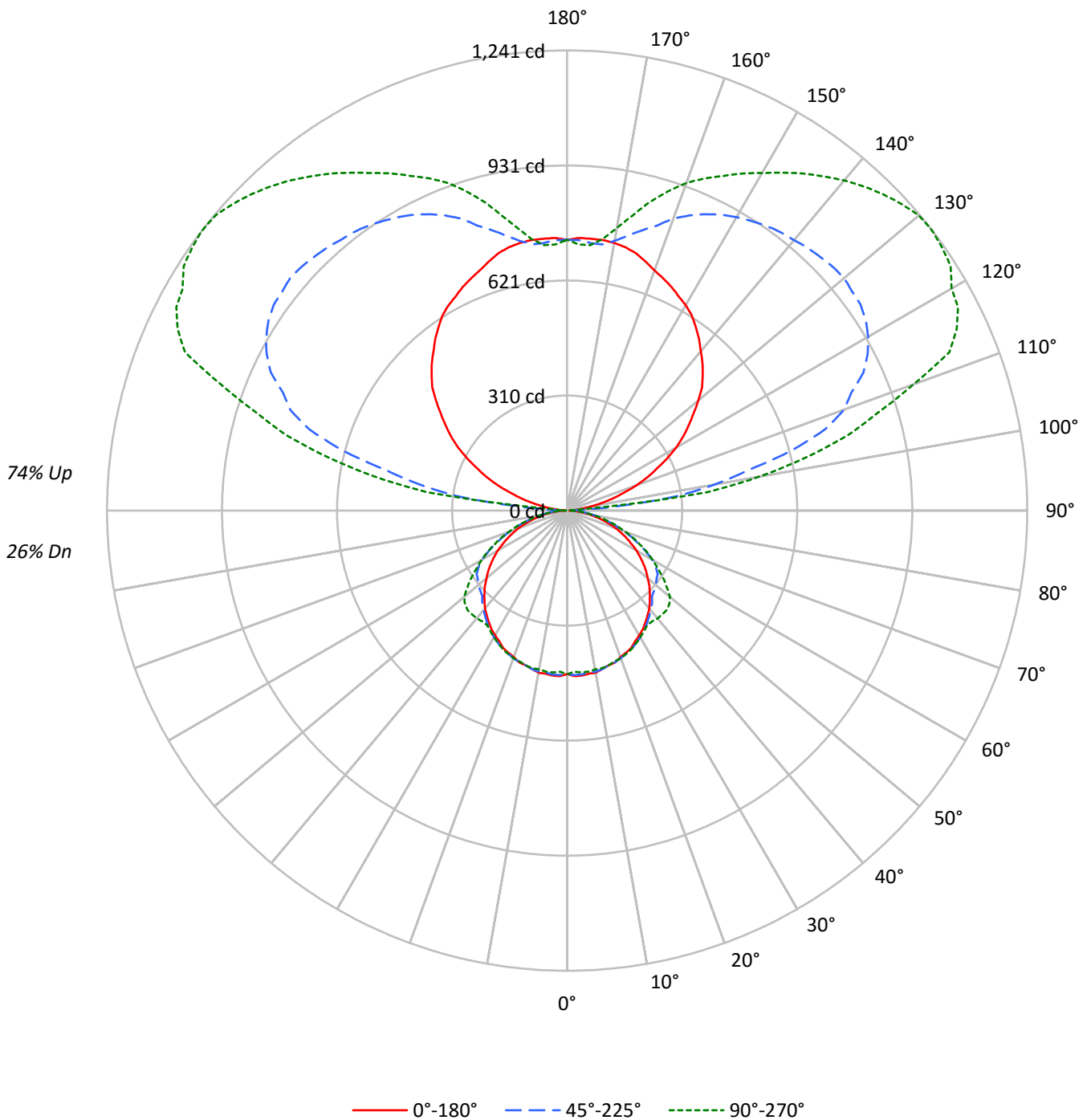
Input Watts (W): 44.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20					20					20					20					20	
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°	3559	3559	3559
5°	3621	3596	3549
10°	3638	3614	3567
15°	3612	3612	3612
20°	3613	3637	3637
25°	3641	3667	3667
30°	3621	3675	3675
35°	3626	3684	3712
40°	3632	3693	4000
45°	3601	3700	4334
50°	3557	3924	4548
55°	3534	4191	4439
60°	3489	4290	4290
65°	3402	4073	4128
70°	3309	3859	3928
75°	3097	3643	3734
80°	2850	3529	3394
85°	2705	3788	3242



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.1	0.7
10°-20°	122.0	2.1
20°-30°	188.6	3.3
30°-40°	233.9	4.1
40°-50°	261.8	4.5
50°-60°	255.8	4.4
60°-70°	201.8	3.5
70°-80°	122.1	2.1
80°-90°	43.5	0.8
90°-100°	149.9	2.6
100°-110°	579.5	10.0
110°-120°	796.4	13.8
120°-130°	805.7	14.0
130°-140°	714.1	12.4
140°-150°	564.8	9.8
150°-160°	394.3	6.8
160°-170°	223.2	3.9
170°-180°	70.0	1.2
0°-30°	352.7	6.1
0°-40°	586.6	10.2
0°-60°	1104.2	19.1
0°-90°	1471.5	25.5
90°-120°	1525.8	26.4
90°-150°	3610.4	62.6
90°-180°	4298.0	74.5
0°-180°	5769.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	441	441	441	441	441	
5°	447	441	444	441	438	42
15°	432	429	432	432	432	122
25°	409	403	412	412	412	188
35°	368	368	374	377	377	230
45°	315	318	324	365	380	243
55°	251	254	298	315	315	224
65°	178	187	213	216	216	176
75°	99	117	117	120	120	105
85°	29	47	41	38	35	31
90°	6	18	15	3	3	6
95°	23	117	140	29	29	29
105°	128	415	628	724	782	137
115°	266	561	882	1092	1159	265
125°	400	648	966	1177	1235	358
135°	517	712	966	1156	1206	398
145°	604	730	937	1074	1110	378
155°	666	712	882	978	996	307
165°	718	715	782	850	861	202
175°	736	727	724	724	718	70
180°	730	730	730	730	730	



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CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	440.9	440.9	440.9	440.9	440.9
2.5°	446.8	440.9	443.8	440.9	435.1
5°	446.8	440.9	443.8	440.9	438.0
7.5°	443.8	440.9	440.9	438.0	438.0
10°	443.8	438.0	440.9	438.0	435.1
12.5°	438.0	435.1	438.0	435.1	435.1
15°	432.2	429.2	432.2	432.2	432.2
17.5°	429.2	423.4	429.2	429.2	426.3
20°	420.5	417.6	423.4	423.4	423.4
22.5°	414.6	411.7	417.6	417.6	417.6
25°	408.8	403.0	411.7	411.7	411.7
27.5°	397.1	397.1	403.0	405.9	403.0
30°	388.4	385.4	394.2	397.1	394.2
32.5°	379.6	376.7	385.4	388.4	385.4
35°	367.9	367.9	373.8	376.7	376.7
37.5°	356.2	356.2	362.1	365.0	376.7
40°	344.6	344.6	350.4	367.9	379.6
42.5°	330.0	330.0	338.7	365.0	379.6
45°	315.4	318.3	324.1	365.0	379.6
47.5°	300.8	303.7	318.3	362.1	373.8
50°	283.2	289.1	312.4	353.3	362.1
52.5°	268.6	271.6	303.7	338.7	338.7
55°	251.1	254.0	297.8	315.4	315.4
57.5°	233.6	236.5	283.2	289.1	289.1
60°	216.1	219.0	265.7	265.7	265.7
62.5°	195.6	201.5	239.4	242.4	242.4
65°	178.1	186.9	213.2	216.1	216.1
67.5°	157.7	172.3	189.8	192.7	192.7
70°	140.2	157.7	163.5	166.4	166.4
72.5°	119.7	137.2	140.2	143.1	143.1
75°	99.3	116.8	116.8	119.7	119.7
77.5°	78.8	93.4	96.4	96.4	96.4
80°	61.3	70.1	75.9	73.0	73.0
82.5°	43.8	55.5	55.5	55.5	52.6
85°	29.2	46.7	40.9	38.0	35.0
87.5°	17.5	40.9	23.4	20.4	20.4
90°	5.8	17.5	14.6	2.9	2.9
92.5°	11.7	29.2	14.6	11.7	8.8
95°	23.4	116.8	140.2	29.2	29.2
97.5°	43.8	195.6	300.8	356.2	382.5
100°	67.2	292.0	403.0	493.5	525.6
102.5°	96.4	353.3	496.4	610.3	657.0
105°	128.5	414.6	627.8	724.1	782.5
107.5°	160.6	461.4	730.0	838.0	878.9
110°	198.6	499.3	794.2	981.1	992.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	233.6	528.5	829.3	1051.2	1115.4
115°	265.7	560.6	881.8	1092.1	1159.2
117.5°	303.7	584.0	913.9	1115.4	1188.4
120°	338.7	604.4	937.3	1144.6	1197.2
122.5°	370.8	627.8	954.8	1168.0	1226.4
125°	400.0	648.2	966.5	1176.7	1235.1
127.5°	429.2	665.7	969.4	1179.7	1241.0
130°	461.4	683.3	975.3	1176.7	1238.1
132.5°	493.5	700.8	972.3	1168.0	1223.5
135°	516.8	712.5	966.5	1156.3	1205.9
137.5°	540.2	721.2	960.7	1138.8	1185.5
140°	560.6	727.1	951.9	1118.3	1162.1
142.5°	584.0	730.0	946.1	1097.9	1135.9
145°	604.4	730.0	937.3	1074.5	1109.6
147.5°	624.9	727.1	925.6	1051.2	1080.4
150°	639.5	721.2	913.9	1027.8	1051.2
152.5°	651.1	715.4	899.3	1001.5	1024.9
155°	665.7	712.5	881.8	978.2	995.7
157.5°	677.4	712.5	861.4	951.9	969.4
160°	689.1	712.5	838.0	925.6	940.2
162.5°	703.7	712.5	805.9	887.7	902.3
165°	718.3	715.4	782.5	849.7	861.4
167.5°	727.1	715.4	759.2	803.0	814.7
170°	732.9	721.2	738.7	770.9	773.8
172.5°	735.8	727.1	724.1	738.7	738.7
175°	735.8	727.1	724.1	724.1	718.3
177.5°	735.8	730.0	730.0	727.1	718.3
180°	730.0	730.0	730.0	730.0	730.0

(END OF REPORT)