

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: P275043

Luminaire Tested: **J3-CL-60L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275043  
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 (4500K)  
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 4500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5873.4 lumens  
Efficiency: N/A  
Efficacy: 130.8 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

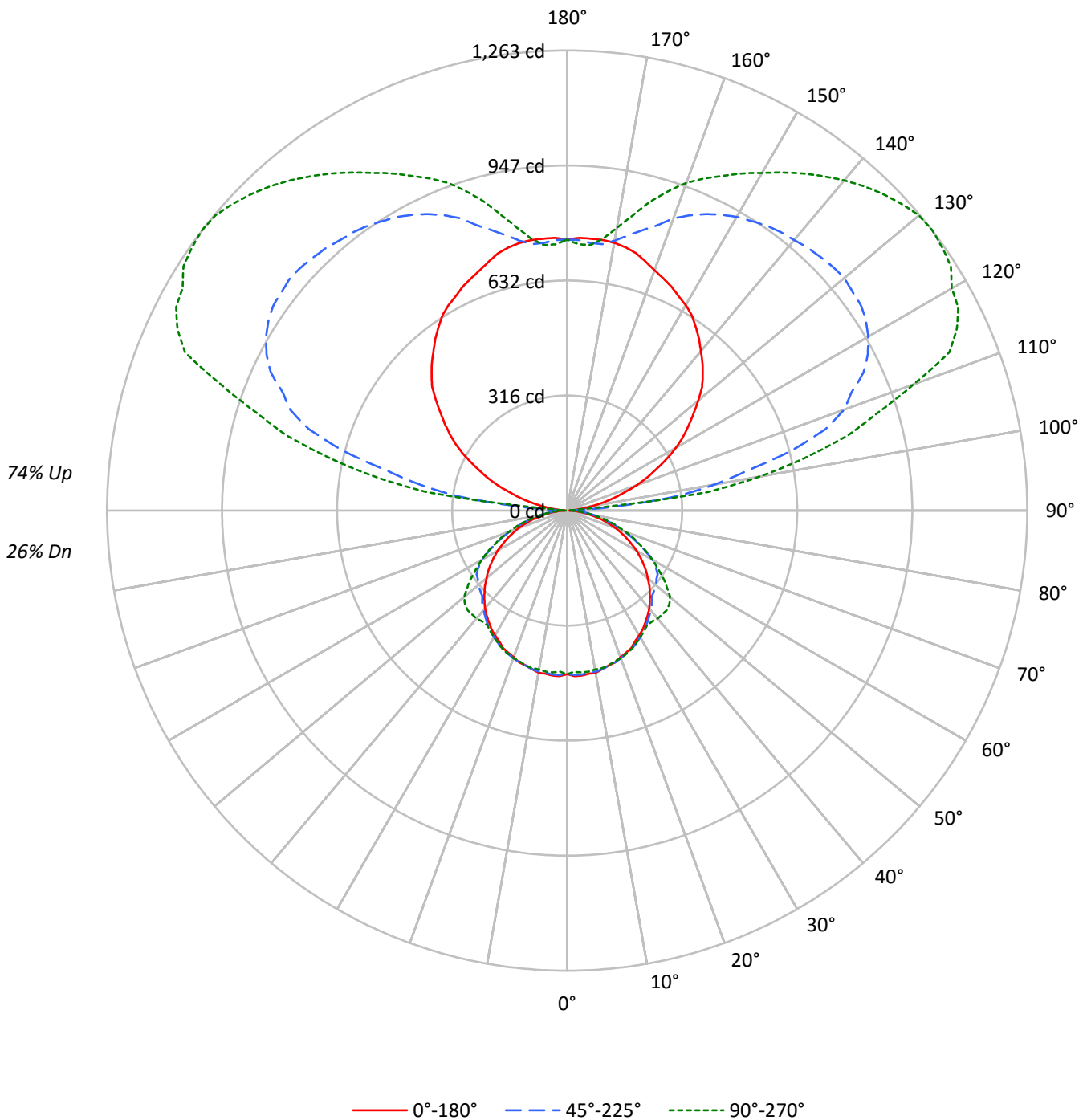
Input Watts (W): 44.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3624	3624	3624
5°	3686	3661	3613
10°	3704	3680	3631
15°	3677	3677	3677
20°	3678	3703	3703
25°	3707	3733	3733
30°	3686	3741	3741
35°	3691	3750	3779
40°	3697	3759	4072
45°	3665	3768	4411
50°	3621	3995	4629
55°	3598	4267	4518
60°	3552	4367	4367
65°	3463	4145	4202
70°	3368	3930	3998
75°	3153	3709	3802
80°	2901	3594	3454
85°	2751	3853	3307



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.8	0.7
10°-20°	124.2	2.1
20°-30°	192.0	3.3
30°-40°	238.1	4.1
40°-50°	266.5	4.5
50°-60°	260.4	4.4
60°-70°	205.4	3.5
70°-80°	124.3	2.1
80°-90°	44.3	0.8
90°-100°	152.6	2.6
100°-110°	590.0	10.0
110°-120°	810.8	13.8
120°-130°	820.3	14.0
130°-140°	727.0	12.4
140°-150°	575.0	9.8
150°-160°	401.5	6.8
160°-170°	227.2	3.9
170°-180°	71.2	1.2
0°-30°	359.0	6.1
0°-40°	597.2	10.2
0°-60°	1124.0	19.1
0°-90°	1498.1	25.5
90°-120°	1553.3	26.4
90°-150°	3675.5	62.6
90°-180°	4375.0	74.5
0°-180°	5873.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	449	449	449	449	449	
5°	455	449	452	449	446	43
15°	440	437	440	440	440	125
25°	416	410	419	419	419	191
35°	374	374	380	384	384	234
45°	321	324	330	372	386	248
55°	256	259	303	321	321	228
65°	181	190	217	220	220	179
75°	101	119	119	122	122	107
85°	30	48	42	39	36	31
90°	6	18	15	3	3	6
95°	24	119	143	30	30	30
105°	131	422	639	737	797	139
115°	270	571	898	1112	1180	270
125°	407	660	984	1198	1257	364
135°	526	725	984	1177	1228	405
145°	615	743	954	1094	1130	385
155°	678	725	898	996	1014	312
165°	731	728	797	865	877	206
175°	749	740	737	737	731	71
180°	743	743	743	743	743	



TEST NUMBER: P275043

CATALOG NUMBER: J3-CL-60L82765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	448.9	448.9	448.9	448.9	448.9
2.5°	454.8	448.9	451.8	448.9	442.9
5°	454.8	448.9	451.8	448.9	445.9
7.5°	451.8	448.9	448.9	445.9	445.9
10°	451.8	445.9	448.9	445.9	442.9
12.5°	445.9	442.9	445.9	442.9	442.9
15°	439.9	437.0	439.9	439.9	439.9
17.5°	437.0	431.0	437.0	437.0	434.0
20°	428.1	425.1	431.0	431.0	431.0
22.5°	422.1	419.1	425.1	425.1	425.1
25°	416.2	410.2	419.1	419.1	419.1
27.5°	404.3	404.3	410.2	413.2	410.2
30°	395.4	392.4	401.3	404.3	401.3
32.5°	386.4	383.5	392.4	395.4	392.4
35°	374.5	374.5	380.5	383.5	383.5
37.5°	362.7	362.7	368.6	371.6	383.5
40°	350.8	350.8	356.7	374.5	386.4
42.5°	335.9	335.9	344.8	371.6	386.4
45°	321.0	324.0	330.0	371.6	386.4
47.5°	306.2	309.2	324.0	368.6	380.5
50°	288.3	294.3	318.1	359.7	368.6
52.5°	273.5	276.5	309.2	344.8	344.8
55°	255.6	258.6	303.2	321.0	321.0
57.5°	237.8	240.8	288.3	294.3	294.3
60°	220.0	222.9	270.5	270.5	270.5
62.5°	199.2	205.1	243.8	246.7	246.7
65°	181.3	190.2	217.0	220.0	220.0
67.5°	160.5	175.4	193.2	196.2	196.2
70°	142.7	160.5	166.5	169.4	169.4
72.5°	121.9	139.7	142.7	145.7	145.7
75°	101.1	118.9	118.9	121.9	121.9
77.5°	80.3	95.1	98.1	98.1	98.1
80°	62.4	71.3	77.3	74.3	74.3
82.5°	44.6	56.5	56.5	56.5	53.5
85°	29.7	47.6	41.6	38.6	35.7
87.5°	17.8	41.6	23.8	20.8	20.8
90°	5.9	17.8	14.9	3.0	3.0
92.5°	11.9	29.7	14.9	11.9	8.9
95°	23.8	118.9	142.7	29.7	29.7
97.5°	44.6	199.2	306.2	362.7	389.4
100°	68.4	297.3	410.2	502.4	535.1
102.5°	98.1	359.7	505.3	621.3	668.8
105°	130.8	422.1	639.1	737.2	796.7
107.5°	163.5	469.7	743.2	853.1	894.8
110°	202.1	508.3	808.5	998.8	1010.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	237.8	538.0	844.2	1070.1	1135.5
115°	270.5	570.7	897.7	1111.8	1180.1
117.5°	309.2	594.5	930.4	1135.5	1209.8
120°	344.8	615.3	954.2	1165.3	1218.8
122.5°	377.5	639.1	972.0	1189.0	1248.5
125°	407.2	659.9	983.9	1198.0	1257.4
127.5°	437.0	677.8	986.9	1200.9	1263.4
130°	469.7	695.6	992.8	1198.0	1260.4
132.5°	502.4	713.4	989.9	1189.0	1245.5
135°	526.2	725.3	983.9	1177.2	1227.7
137.5°	549.9	734.2	978.0	1159.3	1206.9
140°	570.7	740.2	969.1	1138.5	1183.1
142.5°	594.5	743.2	963.1	1117.7	1156.3
145°	615.3	743.2	954.2	1093.9	1129.6
147.5°	636.1	740.2	942.3	1070.1	1099.9
150°	651.0	734.2	930.4	1046.4	1070.1
152.5°	662.9	728.3	915.6	1019.6	1043.4
155°	677.8	725.3	897.7	995.8	1013.7
157.5°	689.6	725.3	876.9	969.1	986.9
160°	701.5	725.3	853.1	942.3	957.2
162.5°	716.4	725.3	820.4	903.7	918.5
165°	731.3	728.3	796.7	865.0	876.9
167.5°	740.2	728.3	772.9	817.5	829.4
170°	746.1	734.2	752.1	784.8	787.7
172.5°	749.1	740.2	737.2	752.1	752.1
175°	749.1	740.2	737.2	737.2	731.3
177.5°	749.1	743.2	743.2	740.2	731.3
180°	743.2	743.2	743.2	743.2	743.2

(END OF REPORT)