

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: P253323

Luminaire Tested: **J3-CL-60L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253323  
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-60L830-1D-UNV-STD-W-4  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.  
Light Source: (224) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

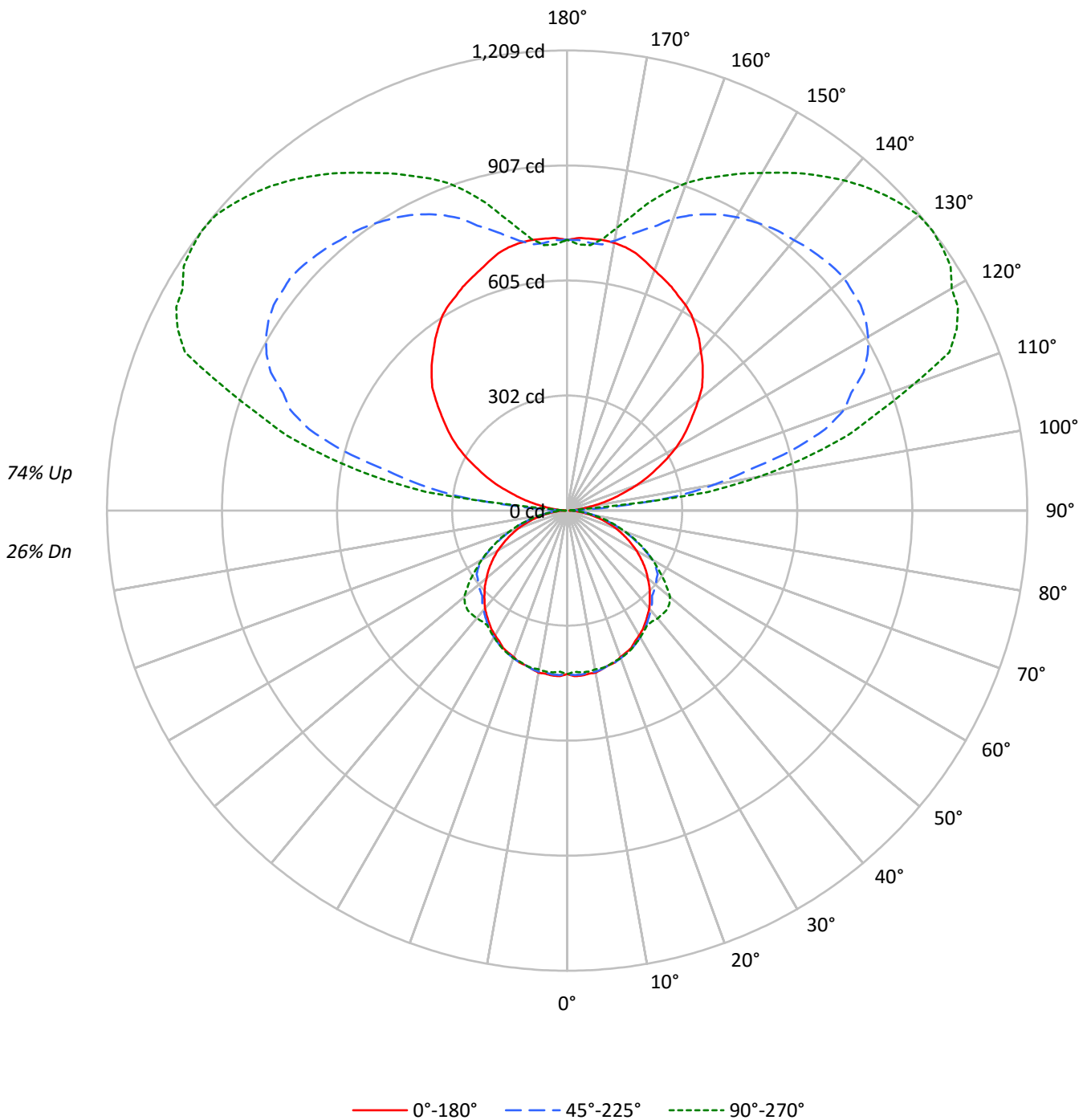
Lumens per Lamp: N/A  
Luminaire Lumens: 5621.1 lumens  
Efficiency: N/A  
Efficacy: 136.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 41.3  
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°	3468	3468	3468
5°	3528	3504	3458
10°	3545	3522	3475
15°	3519	3519	3519
20°	3520	3544	3544
25°	3548	3573	3573
30°	3527	3581	3581
35°	3533	3588	3617
40°	3538	3598	3897
45°	3507	3605	4222
50°	3466	3823	4431
55°	3444	4084	4324
60°	3399	4180	4180
65°	3314	3968	4021
70°	3224	3760	3829
75°	3016	3550	3637
80°	2775	3440	3305
85°	2631	3687	3159



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.0	0.7
10°-20°	118.9	2.1
20°-30°	183.7	3.3
30°-40°	227.9	4.1
40°-50°	255.0	4.5
50°-60°	249.2	4.4
60°-70°	196.6	3.5
70°-80°	119.0	2.1
80°-90°	42.4	0.8
90°-100°	146.0	2.6
100°-110°	564.6	10.0
110°-120°	776.0	13.8
120°-130°	785.0	14.0
130°-140°	695.7	12.4
140°-150°	550.3	9.8
150°-160°	384.2	6.8
160°-170°	217.4	3.9
170°-180°	68.2	1.2
0°-30°	343.6	6.1
0°-40°	571.5	10.2
0°-60°	1075.7	19.1
0°-90°	1433.7	25.5
90°-120°	1486.6	26.4
90°-150°	3517.6	62.6
90°-180°	4187.0	74.5
0°-180°	5621.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	430	430	430	430	430	
5°	435	430	432	430	427	41
15°	421	418	421	421	421	119
25°	398	393	401	401	401	183
35°	358	358	364	367	367	224
45°	307	310	316	356	370	237
55°	245	248	290	307	307	219
65°	174	182	208	210	210	171
75°	97	114	114	117	117	102
85°	28	46	40	37	34	30
90°	6	17	14	3	3	5
95°	23	114	137	28	28	28
105°	125	404	612	706	762	133
115°	259	546	859	1064	1129	258
125°	390	632	942	1146	1203	349
135°	504	694	942	1127	1175	388
145°	589	711	913	1047	1081	368
155°	649	694	859	953	970	299
165°	700	697	762	828	839	197
175°	717	708	706	706	700	68
180°	711	711	711	711	711	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	429.6	429.6	429.6	429.6	429.6
2.5°	435.3	429.6	432.4	429.6	423.9
5°	435.3	429.6	432.4	429.6	426.7
7.5°	432.4	429.6	429.6	426.7	426.7
10°	432.4	426.7	429.6	426.7	423.9
12.5°	426.7	423.9	426.7	423.9	423.9
15°	421.0	418.2	421.0	421.0	421.0
17.5°	418.2	412.5	418.2	418.2	415.4
20°	409.7	406.8	412.5	412.5	412.5
22.5°	404.0	401.1	406.8	406.8	406.8
25°	398.3	392.6	401.1	401.1	401.1
27.5°	386.9	386.9	392.6	395.4	392.6
30°	378.4	375.5	384.1	386.9	384.1
32.5°	369.8	367.0	375.5	378.4	375.5
35°	358.5	358.5	364.1	367.0	367.0
37.5°	347.1	347.1	352.8	355.6	367.0
40°	335.7	335.7	341.4	358.5	369.8
42.5°	321.5	321.5	330.0	355.6	369.8
45°	307.2	310.1	315.8	355.6	369.8
47.5°	293.0	295.9	310.1	352.8	364.1
50°	276.0	281.6	304.4	344.2	352.8
52.5°	261.7	264.6	295.9	330.0	330.0
55°	244.7	247.5	290.2	307.2	307.2
57.5°	227.6	230.4	276.0	281.6	281.6
60°	210.5	213.4	258.9	258.9	258.9
62.5°	190.6	196.3	233.3	236.1	236.1
65°	173.5	182.1	207.7	210.5	210.5
67.5°	153.6	167.8	184.9	187.8	187.8
70°	136.6	153.6	159.3	162.2	162.2
72.5°	116.6	133.7	136.6	139.4	139.4
75°	96.7	113.8	113.8	116.6	116.6
77.5°	76.8	91.0	93.9	93.9	93.9
80°	59.7	68.3	74.0	71.1	71.1
82.5°	42.7	54.1	54.1	54.1	51.2
85°	28.4	45.5	39.8	37.0	34.1
87.5°	17.1	39.8	22.8	19.9	19.9
90°	5.7	17.1	14.2	2.8	2.8
92.5°	11.4	28.4	14.2	11.4	8.5
95°	22.8	113.8	136.6	28.4	28.4
97.5°	42.7	190.6	293.0	347.1	372.7
100°	65.4	284.5	392.6	480.8	512.1
102.5°	93.9	344.2	483.6	594.6	640.1
105°	125.2	404.0	611.6	705.5	762.4
107.5°	156.5	449.5	711.2	816.5	856.3
110°	193.5	486.5	773.8	955.9	967.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	227.6	514.9	807.9	1024.2	1086.7
115°	258.9	546.2	859.1	1064.0	1129.4
117.5°	295.9	569.0	890.4	1086.7	1157.9
120°	330.0	588.9	913.2	1115.2	1166.4
122.5°	361.3	611.6	930.3	1137.9	1194.8
125°	389.7	631.6	941.7	1146.5	1203.4
127.5°	418.2	648.6	944.5	1149.3	1209.1
130°	449.5	665.7	950.2	1146.5	1206.2
132.5°	480.8	682.8	947.3	1137.9	1192.0
135°	503.5	694.1	941.7	1126.6	1174.9
137.5°	526.3	702.7	936.0	1109.5	1155.0
140°	546.2	708.4	927.4	1089.6	1132.3
142.5°	569.0	711.2	921.7	1069.7	1106.7
145°	588.9	711.2	913.2	1046.9	1081.0
147.5°	608.8	708.4	901.8	1024.2	1052.6
150°	623.0	702.7	890.4	1001.4	1024.2
152.5°	634.4	697.0	876.2	975.8	998.5
155°	648.6	694.1	859.1	953.0	970.1
157.5°	660.0	694.1	839.2	927.4	944.5
160°	671.4	694.1	816.5	901.8	916.0
162.5°	685.6	694.1	785.2	864.8	879.1
165°	699.8	697.0	762.4	827.9	839.2
167.5°	708.4	697.0	739.7	782.3	793.7
170°	714.1	702.7	719.8	751.0	753.9
172.5°	716.9	708.4	705.5	719.8	719.8
175°	716.9	708.4	705.5	705.5	699.8
177.5°	716.9	711.2	711.2	708.4	699.8
180°	711.2	711.2	711.2	711.2	711.2

(END OF REPORT)