

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: P253309

Luminaire Tested: **J3-UL-40L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253309  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: J3-UL-40L835-1D-UNV-STD-W-4  
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.  
Light Source: (224) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

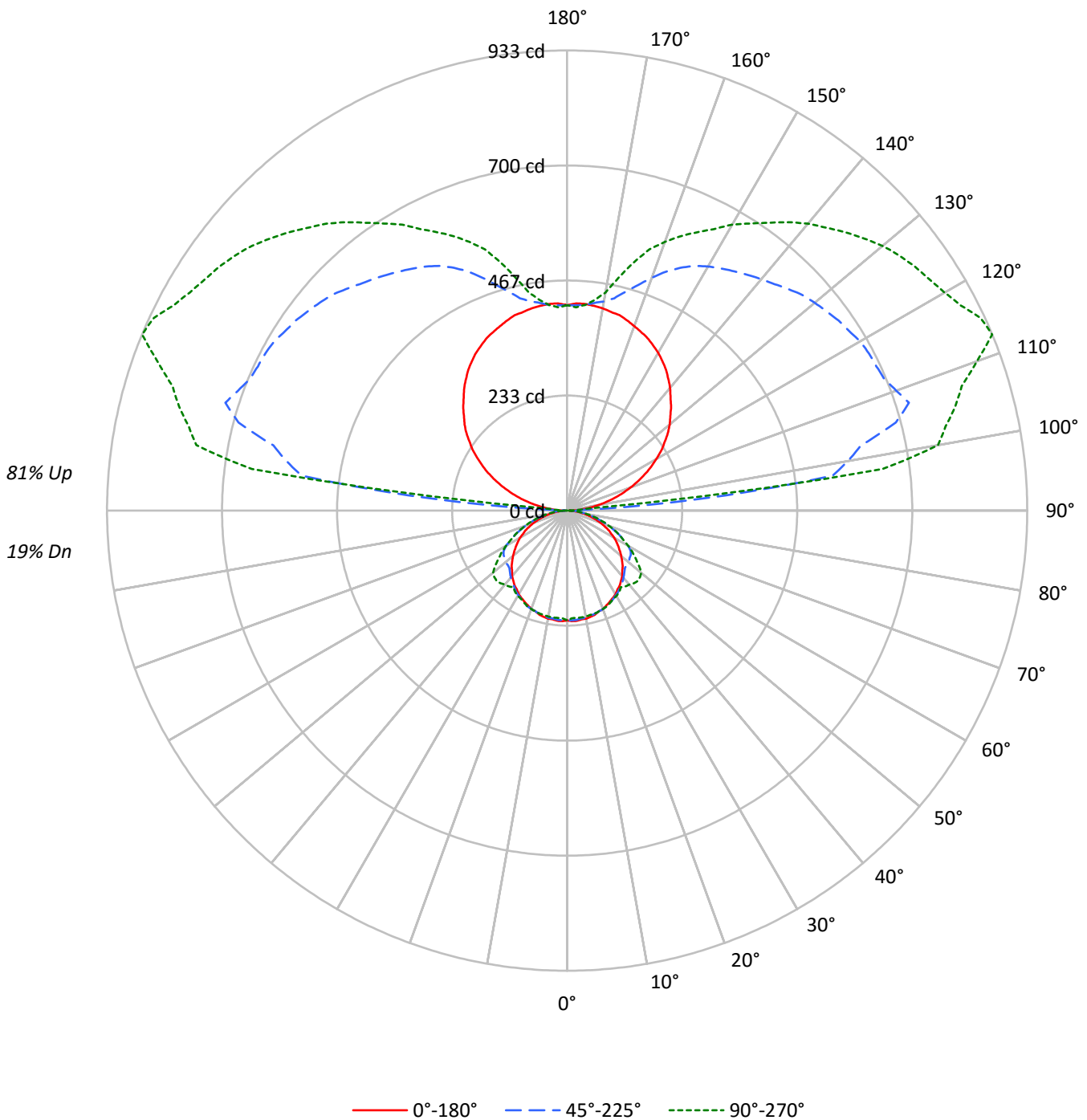
Lumens per Lamp: N/A  
Luminaire Lumens: 4032.9 lumens  
Efficiency: N/A  
Efficacy: 155.7 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.33 / 1.47  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 25.9  
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	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	36	30	28	26	18	17	16	10
4	68	58	50	44	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	43	38	55	45	39	34	34	30	26	24	21	19	14	13	11	7
6	57	46	38	32	50	40	34	29	31	26	23	21	18	16	13	11	10	6
7	53	41	33	28	46	36	30	25	28	23	20	19	16	14	12	10	9	6
8	49	37	30	24	43	33	26	22	25	20	17	18	15	12	11	9	8	5
9	45	33	26	21	40	30	24	19	23	18	15	16	13	11	10	8	7	4
10	42	30	24	19	37	27	21	17	21	16	13	15	12	10	9	7	6	4

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1796	1796	1796
5°	1819	1803	1770
10°	1824	1808	1790
15°	1825	1809	1809
20°	1824	1824	1824
25°	1818	1837	1837
30°	1827	1846	1864
35°	1831	1851	1871
40°	1828	1872	2066
45°	1818	1887	2307
50°	1795	2051	2462
55°	1782	2213	2384
60°	1779	2307	2307
65°	1755	2223	2223
70°	1685	2120	2120
75°	1591	1974	2037
80°	1520	1897	1897
85°	1325	2269	1890



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.1	0.5
10°-20°	61.1	1.5
20°-30°	94.8	2.4
30°-40°	118.1	2.9
40°-50°	134.7	3.3
50°-60°	134.5	3.3
60°-70°	107.2	2.7
70°-80°	66.0	1.6
80°-90°	23.6	0.6
90°-100°	250.7	6.2
100°-110°	610.6	15.1
110°-120°	624.3	15.5
120°-130°	554.0	13.7
130°-140°	463.7	11.5
140°-150°	354.8	8.8
150°-160°	241.4	6.0
160°-170°	132.1	3.3
170°-180°	40.4	1.0
0°-30°	177.0	4.4
0°-40°	295.1	7.3
0°-60°	564.4	14.0
0°-90°	761.1	18.9
90°-120°	1485.5	36.8
90°-150°	2857.9	70.9
90°-180°	3272.0	81.1
0°-180°	4032.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	222	222	222	222	222	
5°	224	220	222	220	218	21
15°	218	216	216	216	216	62
25°	204	204	206	206	206	94
35°	186	186	188	190	190	116
45°	159	159	165	192	202	122
55°	127	129	157	169	169	113
65°	92	98	116	116	116	90
75°	51	63	63	65	65	54
85°	14	20	24	22	20	16
90°	4	8	4	0	0	5
95°	33	267	267	33	33	33
105°	100	410	690	772	814	106
115°	174	418	692	866	925	172
125°	241	433	672	816	861	216
135°	298	451	635	761	798	230
145°	349	447	592	688	712	218
155°	386	425	543	610	623	178
165°	410	418	459	506	520	116
175°	420	416	418	420	418	40
180°	416	416	416	416	416	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	222.5	222.5	222.5	222.5	222.5
2.5°	224.5	222.5	222.5	220.5	218.4
5°	224.5	220.5	222.5	220.5	218.4
7.5°	222.5	220.5	220.5	220.5	218.4
10°	222.5	218.4	220.5	218.4	218.4
12.5°	220.5	218.4	218.4	218.4	216.4
15°	218.4	216.4	216.4	216.4	216.4
17.5°	214.3	212.3	214.3	214.3	214.3
20°	212.3	210.2	212.3	212.3	212.3
22.5°	208.2	206.2	210.2	210.2	210.2
25°	204.1	204.1	206.2	206.2	206.2
27.5°	200.0	200.0	202.1	204.1	202.1
30°	196.0	193.9	198.0	200.0	200.0
32.5°	189.8	189.8	193.9	193.9	196.0
35°	185.8	185.8	187.8	189.8	189.8
37.5°	179.6	179.6	183.7	185.8	193.9
40°	173.5	173.5	177.6	187.8	196.0
42.5°	165.3	167.4	171.5	187.8	200.0
45°	159.2	159.2	165.3	191.9	202.1
47.5°	151.1	153.1	163.3	191.9	200.0
50°	142.9	144.9	163.3	189.8	196.0
52.5°	134.7	136.8	159.2	181.7	183.7
55°	126.6	128.6	157.2	169.4	169.4
57.5°	118.4	120.4	153.1	157.2	157.2
60°	110.2	112.3	142.9	142.9	142.9
62.5°	100.0	102.1	128.6	128.6	128.6
65°	91.9	98.0	116.4	116.4	116.4
67.5°	81.6	89.8	102.1	104.1	104.1
70°	71.4	83.7	89.8	89.8	89.8
72.5°	61.2	75.5	75.5	77.6	77.6
75°	51.0	63.3	63.3	65.3	65.3
77.5°	40.8	51.0	51.0	53.1	53.1
80°	32.7	38.8	40.8	40.8	40.8
82.5°	24.5	30.6	30.6	30.6	30.6
85°	14.3	20.4	24.5	22.5	20.4
87.5°	8.2	16.3	16.3	14.3	12.2
90°	4.1	8.2	4.1	0.0	0.0
92.5°	20.4	67.4	20.4	14.3	14.3
95°	32.7	267.4	267.4	32.7	32.7
97.5°	46.9	330.7	543.0	683.8	645.0
100°	63.3	412.3	577.7	714.4	763.4
102.5°	81.6	406.2	610.3	741.0	785.9
105°	100.0	410.3	689.9	771.6	814.5
107.5°	118.4	410.3	726.7	792.0	838.9
110°	136.8	410.3	710.4	875.7	883.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	155.1	414.4	696.1	881.8	932.8
115°	173.5	418.5	692.0	865.5	924.7
117.5°	191.9	420.5	689.9	845.1	900.2
120°	208.2	422.5	685.9	836.9	883.9
122.5°	226.6	426.6	677.7	826.7	871.6
125°	240.9	432.7	671.6	816.5	861.4
127.5°	257.2	436.8	663.4	806.3	849.2
130°	271.5	442.9	655.2	790.0	834.9
132.5°	283.7	449.1	647.1	777.7	816.5
135°	298.0	451.1	634.8	761.4	798.1
137.5°	310.3	453.2	622.6	747.1	777.7
140°	324.6	451.1	612.4	726.7	759.3
142.5°	336.8	449.1	602.2	706.3	736.9
145°	349.1	447.0	592.0	687.9	712.4
147.5°	359.3	442.9	581.8	667.5	689.9
150°	369.5	436.8	571.5	649.1	669.5
152.5°	377.6	430.7	559.3	628.7	643.0
155°	385.8	424.6	543.0	610.3	622.6
157.5°	391.9	420.5	524.6	589.9	602.2
160°	398.0	418.5	502.1	569.5	579.7
162.5°	404.2	418.5	479.7	543.0	555.2
165°	410.3	418.5	459.3	506.2	520.5
167.5°	412.3	416.4	440.9	471.5	483.8
170°	416.4	416.4	430.7	445.0	449.1
172.5°	418.5	416.4	424.6	430.7	430.7
175°	420.5	416.4	418.5	420.5	418.5
177.5°	420.5	416.4	416.4	416.4	412.3
180°	416.4	416.4	416.4	416.4	416.4

(END OF REPORT)