

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: G2-1707-177-9

Luminaire Tested: **J3-UL-20L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G2-1707-177-9
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-20L835-1D-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: 1975.7 lumens
Efficiency: N/A
Efficacy: 154.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.33 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

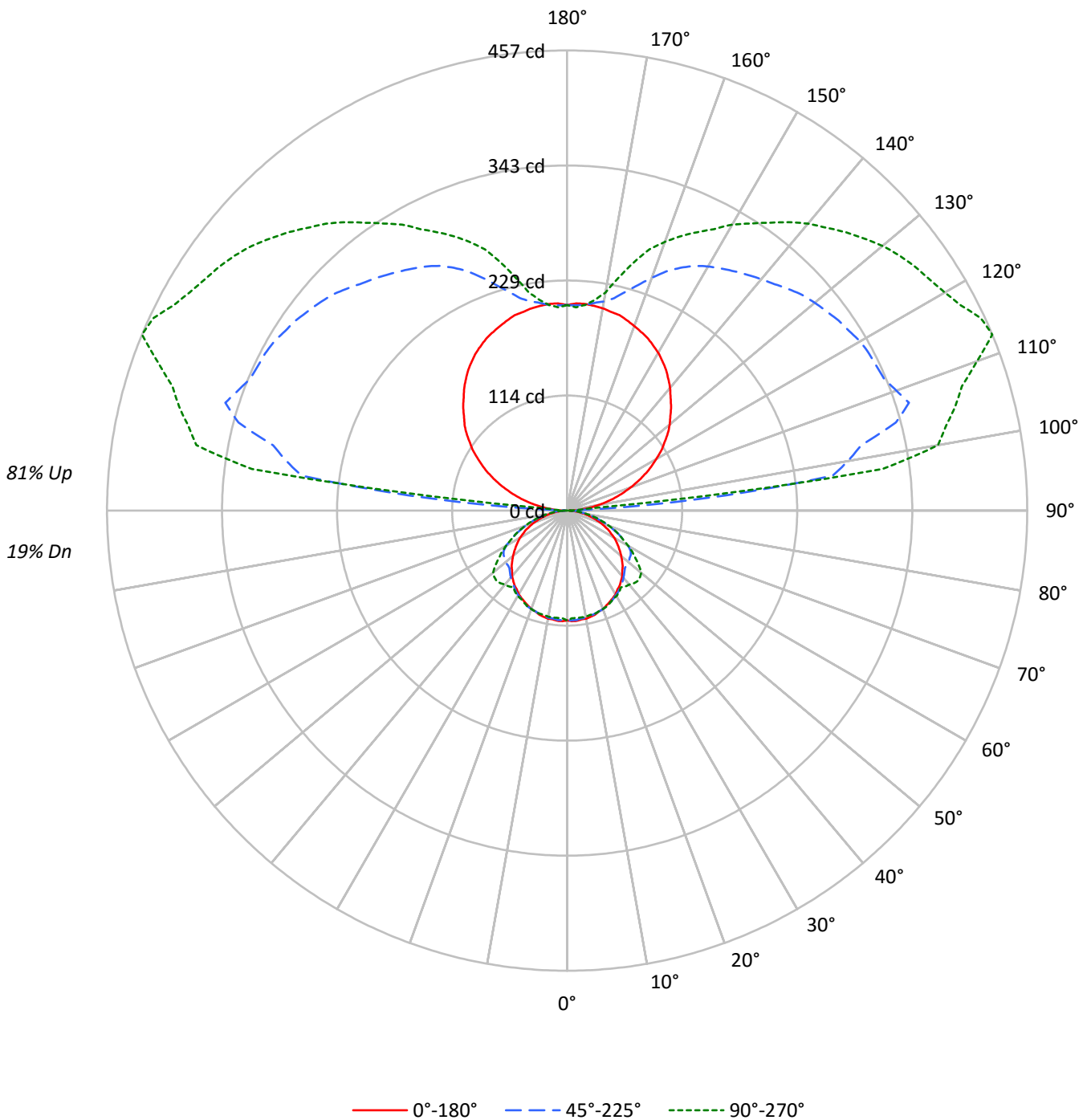
Input Watts (W): 12.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	880	880	880
5°	890	869	849
10°	890	856	840
15°	889	843	830
20°	887	835	819
25°	882	826	806
30°	884	814	798
35°	884	799	780
40°	880	790	836
45°	872	776	904
50°	858	818	929
55°	847	851	861
60°	842	849	789
65°	823	772	709
70°	781	681	616
75°	724	564	516
80°	665	446	385
85°	524	349	240



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.5
10°-20°	30.0	1.5
20°-30°	46.4	2.4
30°-40°	57.9	2.9
40°-50°	66.0	3.3
50°-60°	65.9	3.3
60°-70°	52.5	2.7
70°-80°	32.3	1.6
80°-90°	11.6	0.6
90°-100°	122.8	6.2
100°-110°	299.1	15.1
110°-120°	305.8	15.5
120°-130°	271.4	13.7
130°-140°	227.1	11.5
140°-150°	173.8	8.8
150°-160°	118.3	6.0
160°-170°	64.7	3.3
170°-180°	19.8	1.0
0°-30°	86.7	4.4
0°-40°	144.6	7.3
0°-60°	276.5	14.0
0°-90°	372.9	18.9
90°-120°	727.7	36.8
90°-150°	1400.1	70.9
90°-180°	1603.0	81.1
0°-180°	1975.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	109	109	109	109	109	
5°	110	108	109	108	107	10
15°	107	106	106	106	106	30
25°	100	100	101	101	101	46
35°	91	91	92	93	93	57
45°	78	78	81	94	99	60
55°	62	63	77	83	83	55
65°	45	48	57	57	57	44
75°	25	31	31	32	32	27
85°	7	10	12	11	10	8
90°	2	4	2	0	0	2
95°	16	131	131	16	16	16
105°	49	201	338	378	399	52
115°	85	205	339	424	453	84
125°	118	212	329	400	422	106
135°	146	221	311	373	391	113
145°	171	219	290	337	349	107
155°	189	208	266	299	305	87
165°	201	205	225	248	255	57
175°	206	204	205	206	205	20
180°	204	204	204	204	204	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	109	109	109	109	109
2.5°	110	109	109	108	107
5°	110	108	109	108	107
7.5°	109	108	108	108	107
10°	109	107	108	107	107
12.5°	108	107	107	107	106
15°	107	106	106	106	106
17.5°	105	104	105	105	105
20°	104	103	104	104	104
22.5°	102	101	103	103	103
25°	100	100	101	101	101
27.5°	98	98	99	100	99
30°	96	95	97	98	98
32.5°	93	93	95	95	96
35°	91	91	92	93	93
37.5°	88	88	90	91	95
40°	85	85	87	92	96
42.5°	81	82	84	92	98
45°	78	78	81	94	99
47.5°	74	75	80	94	98
50°	70	71	80	93	96
52.5°	66	67	78	89	90
55°	62	63	77	83	83
57.5°	58	59	75	77	77
60°	54	55	70	70	70
62.5°	49	50	63	63	63
65°	45	48	57	57	57
67.5°	40	44	50	51	51
70°	35	41	44	44	44
72.5°	30	37	37	38	38
75°	25	31	31	32	32
77.5°	20	25	25	26	26
80°	16	19	20	20	20
82.5°	12	15	15	15	15
85°	7	10	12	11	10
87.5°	4	8	8	7	6
90°	2	4	2	0	0
92.5°	10	33	10	7	7
95°	16	131	131	16	16
97.5°	23	162	266	335	316
100°	31	202	283	350	374
102.5°	40	199	299	363	385
105°	49	201	338	378	399
107.5°	58	201	356	388	411
110°	67	201	348	429	433



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	76	203	341	432	457
115°	85	205	339	424	453
117.5°	94	206	338	414	441
120°	102	207	336	410	433
122.5°	111	209	332	405	427
125°	118	212	329	400	422
127.5°	126	214	325	395	416
130°	133	217	321	387	409
132.5°	139	220	317	381	400
135°	146	221	311	373	391
137.5°	152	222	305	366	381
140°	159	221	300	356	372
142.5°	165	220	295	346	361
145°	171	219	290	337	349
147.5°	176	217	285	327	338
150°	181	214	280	318	328
152.5°	185	211	274	308	315
155°	189	208	266	299	305
157.5°	192	206	257	289	295
160°	195	205	246	279	284
162.5°	198	205	235	266	272
165°	201	205	225	248	255
167.5°	202	204	216	231	237
170°	204	204	211	218	220
172.5°	205	204	208	211	211
175°	206	204	205	206	205
177.5°	206	204	204	204	202
180°	204	204	204	204	204

(END OF REPORT)