

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: G3-1805-784-19

Luminaire Tested: **J3-UL-60L83050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G3-1805-784-19
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-60L83050-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5010.6 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.36 / 1.44
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Indirect

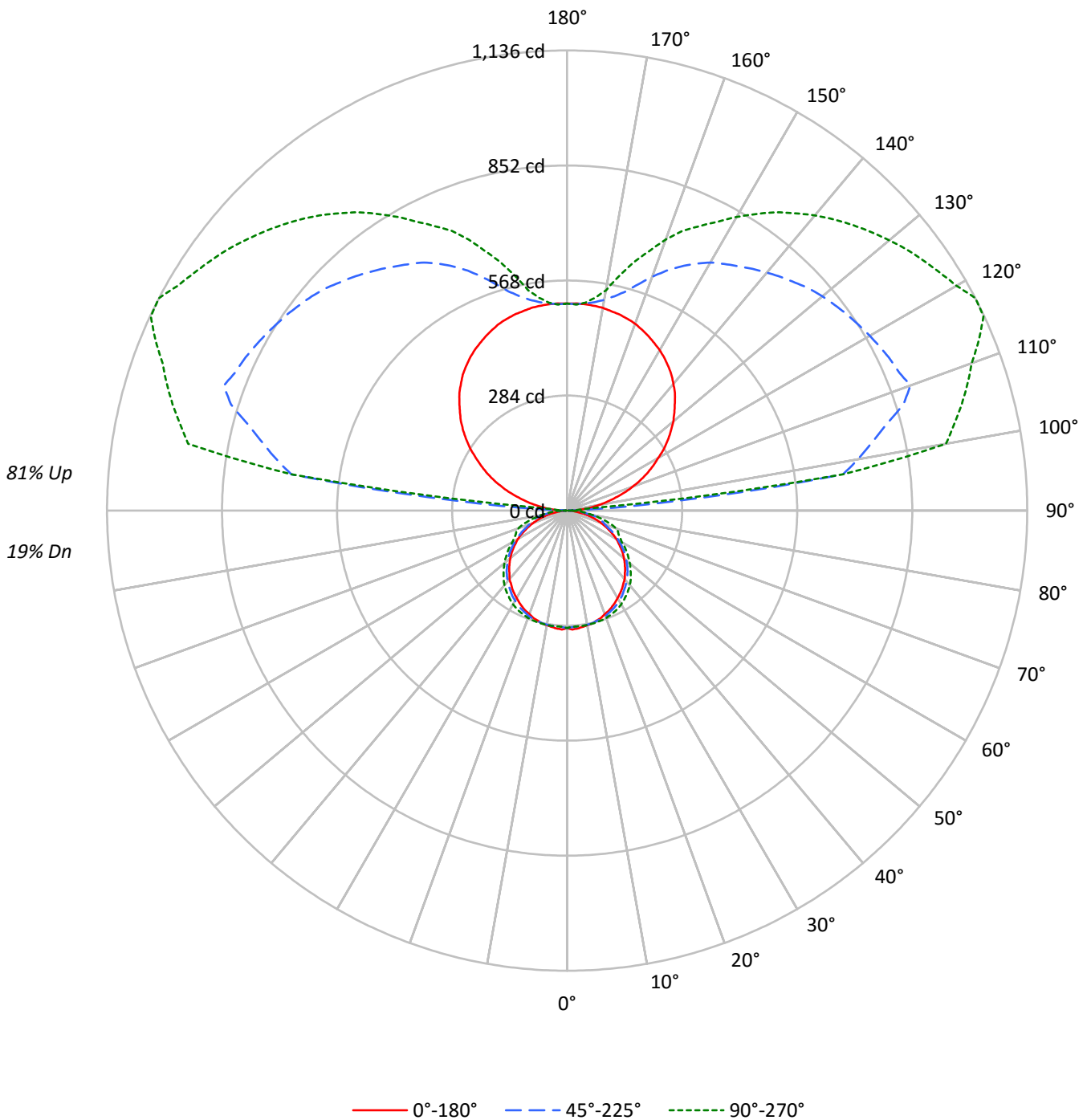
Input Watts (W): 35.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	27	27	27	19
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	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	37	31	28	26	18	17	16	10
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1561	1561	1561
5°	1578	1556	1551
10°	1568	1563	1568
15°	1566	1571	1588
20°	1558	1586	1615
25°	1556	1591	1639
30°	1547	1597	1659
35°	1551	1597	1675
40°	1553	1602	1693
45°	1537	1606	1690
50°	1532	1599	1691
55°	1520	1595	1689
60°	1507	1572	1679
65°	1452	1554	1783
70°	1400	1558	2014
75°	1289	1788	2038
80°	1116	1829	1984
85°	865	2038	2285



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	0.5
10°-20°	80.1	1.6
20°-30°	124.0	2.5
30°-40°	153.1	3.1
40°-50°	163.1	3.3
50°-60°	152.2	3.0
60°-70°	124.1	2.5
70°-80°	85.7	1.7
80°-90°	33.5	0.7
90°-100°	299.4	6.0
100°-110°	756.3	15.1
110°-120°	782.6	15.6
120°-130°	696.9	13.9
130°-140°	580.7	11.6
140°-150°	442.5	8.8
150°-160°	297.8	5.9
160°-170°	161.4	3.2
170°-180°	49.6	1.0
0°-30°	231.7	4.6
0°-40°	384.8	7.7
0°-60°	700.2	14.0
0°-90°	943.4	18.8
90°-120°	1838.3	36.7
90°-150°	3558.4	71.0
90°-180°	4067.0	81.2
0°-180°	5010.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	290	290	290	290	290	
5°	292	290	288	289	287	28
15°	281	282	282	285	285	79
25°	262	265	268	274	276	121
35°	236	238	243	252	255	148
45°	202	205	211	218	222	156
55°	162	165	170	175	180	145
65°	114	117	122	133	140	113
75°	62	66	86	97	98	66
85°	14	26	33	37	37	16
90°	2	3	3	2	2	5
95°	42	328	257	41	40	42
105°	124	522	814	962	1008	132
115°	218	539	881	1095	1134	215
125°	303	552	844	1023	1075	271
135°	376	568	796	949	997	290
145°	435	558	736	855	899	272
155°	475	530	665	749	775	219
165°	501	515	560	615	634	142
175°	511	512	513	518	515	49
180°	511	511	511	511	511	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	290	290	290	290	290
2.5°	294	290	288	289	287
5°	292	290	288	289	287
7.5°	290	289	287	289	287
10°	287	287	286	288	287
12.5°	286	285	285	287	286
15°	281	282	282	285	285
17.5°	278	279	280	284	284
20°	272	275	277	282	282
22.5°	268	270	272	278	279
25°	262	265	268	274	276
27.5°	256	259	263	270	272
30°	249	253	257	264	267
32.5°	243	246	251	259	261
35°	236	238	243	252	255
37.5°	228	230	236	244	248
40°	221	223	228	236	241
42.5°	211	214	220	227	232
45°	202	205	211	218	222
47.5°	193	196	201	208	212
50°	183	186	191	198	202
52.5°	173	176	181	187	191
55°	162	165	170	175	180
57.5°	151	154	158	164	169
60°	140	142	146	153	156
62.5°	128	130	134	141	148
65°	114	117	122	133	140
67.5°	102	104	109	125	136
70°	89	92	99	122	128
72.5°	76	79	92	112	115
75°	62	66	86	97	98
77.5°	49	54	74	80	81
80°	36	45	59	63	64
82.5°	24	38	44	49	49
85°	14	26	33	37	37
87.5°	8	17	25	29	28
90°	2	3	3	2	2
92.5°	23	73	20	19	19
95°	42	328	257	41	40
97.5°	60	398	687	831	686
100°	80	481	729	901	950
102.5°	102	510	769	926	978
105°	124	522	814	962	1008
107.5°	148	530	870	991	1036
110°	172	534	902	1027	1063



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	195	537	888	1068	1100
115°	218	539	881	1095	1134
117.5°	239	542	872	1070	1136
120°	260	545	863	1053	1110
122.5°	283	549	853	1039	1092
125°	303	552	844	1023	1075
127.5°	323	555	833	1006	1058
130°	342	562	823	989	1038
132.5°	359	566	811	970	1018
135°	376	568	796	949	997
137.5°	394	567	782	929	975
140°	408	566	767	905	951
142.5°	423	563	752	881	925
145°	435	558	736	855	899
147.5°	447	552	722	828	868
150°	457	543	707	799	837
152.5°	466	536	687	773	804
155°	475	530	665	749	775
157.5°	483	526	641	720	748
160°	491	521	614	689	712
162.5°	496	518	586	652	671
165°	501	515	560	615	634
167.5°	504	513	542	576	593
170°	508	512	528	548	552
172.5°	510	512	519	529	530
175°	511	512	513	518	515
177.5°	512	513	510	513	509
180°	511	511	511	511	511

(END OF REPORT)