

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: P253564

Luminaire Tested: **J3-UL-20L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-20L93050-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1823.2 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

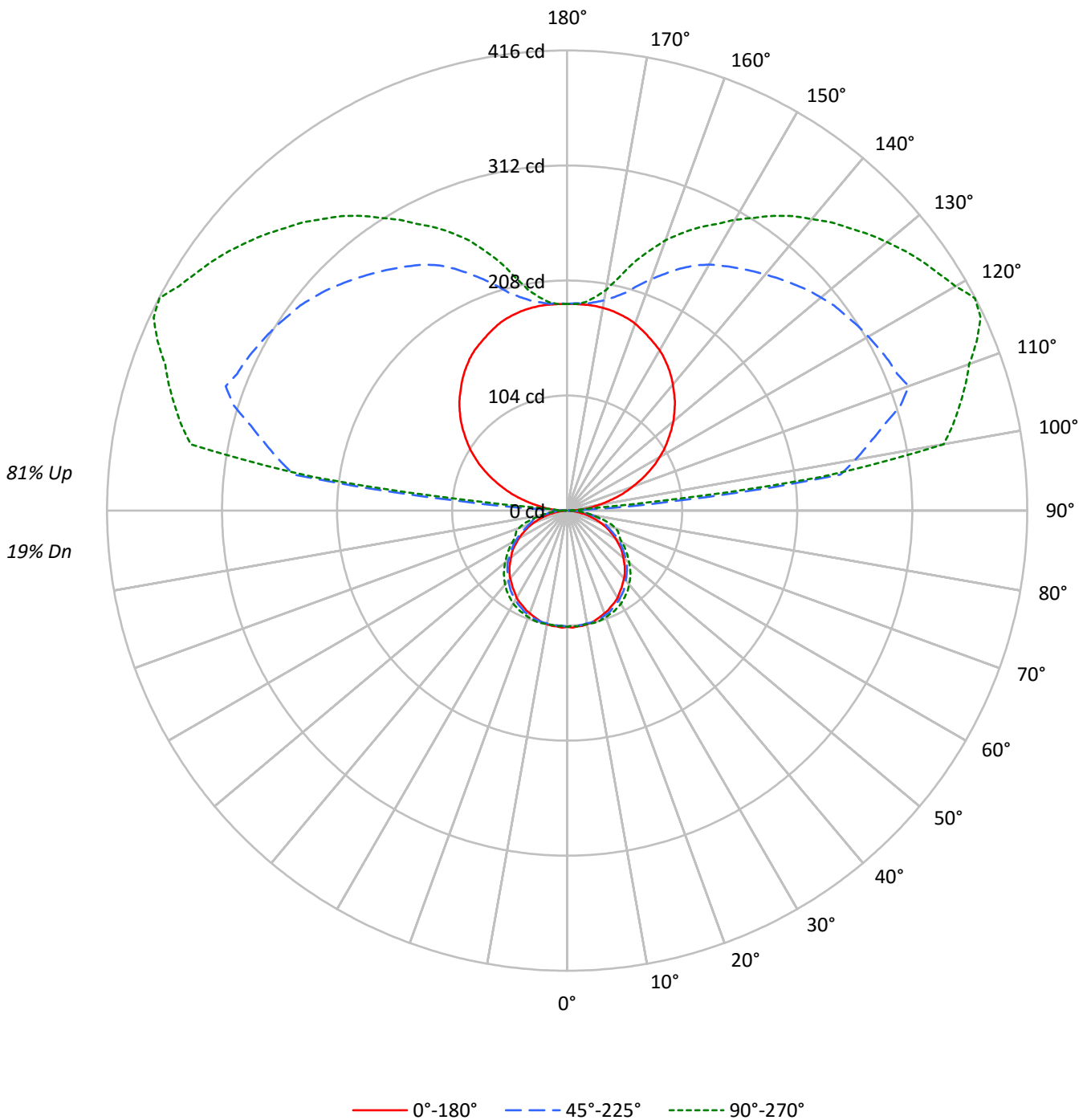
Input Watts (W): 16.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	19	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°	848	848	848
5°	852	845	852
10°	855	848	855
15°	852	858	872
20°	849	863	882
25°	846	867	894
30°	849	871	907
35°	844	874	913
40°	845	869	919
45°	844	871	924
50°	831	870	919
55°	833	866	920
60°	817	854	917
65°	789	848	982
70°	753	864	1102
75°	705	995	1117
80°	581	976	1083
85°	500	1084	1223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.5
10°-20°	29.1	1.6
20°-30°	45.1	2.5
30°-40°	55.6	3.1
40°-50°	59.3	3.3
50°-60°	55.3	3.0
60°-70°	45.3	2.5
70°-80°	31.2	1.7
80°-90°	12.1	0.7
90°-100°	108.6	6.0
100°-110°	274.9	15.1
110°-120°	285.0	15.6
120°-130°	254.1	13.9
130°-140°	211.4	11.6
140°-150°	160.9	8.8
150°-160°	108.3	5.9
160°-170°	58.9	3.2
170°-180°	18.1	1.0
0°-30°	84.2	4.6
0°-40°	139.8	7.7
0°-60°	254.4	14.0
0°-90°	343.0	18.8
90°-120°	668.5	36.7
90°-150°	1294.9	71.0
90°-180°	1480.0	81.2
0°-180°	1823.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	105	105	105	105	105	
5°	105	105	104	105	105	10
15°	102	103	103	104	104	29
25°	95	96	97	100	100	44
35°	86	86	89	92	93	54
45°	74	75	76	79	81	57
55°	59	60	62	64	65	53
65°	41	43	44	49	51	41
75°	23	24	32	35	36	24
85°	5	9	12	13	13	6
90°	1	1	1	1	1	2
95°	16	120	95	15	15	15
105°	46	190	296	350	367	48
115°	80	196	321	398	412	79
125°	111	201	307	373	392	100
135°	138	207	290	346	361	106
145°	159	203	268	311	325	99
155°	174	193	241	272	282	80
165°	184	188	204	224	232	52
175°	187	187	188	189	189	18
180°	187	187	187	187	187	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	105.1	105.1	105.1	105.1	105.1
2.5°	105.9	105.9	104.3	105.1	104.3
5°	105.1	105.1	104.3	105.1	105.1
7.5°	105.1	105.1	104.3	105.1	104.3
10°	104.3	104.3	103.5	104.3	104.3
12.5°	103.5	103.5	103.5	104.3	104.3
15°	102.0	102.7	102.7	103.5	104.3
17.5°	100.4	101.2	102.0	102.7	103.5
20°	98.8	99.6	100.4	102.0	102.7
22.5°	97.3	98.1	99.6	101.2	101.2
25°	95.0	95.7	97.3	99.6	100.4
27.5°	93.4	94.2	95.7	98.1	98.8
30°	91.1	91.8	93.4	96.5	97.3
32.5°	88.0	89.5	91.1	94.2	95.0
35°	85.6	86.4	88.7	91.8	92.6
37.5°	82.5	83.3	85.6	88.7	90.3
40°	80.2	80.9	82.5	85.6	87.2
42.5°	77.1	77.8	79.4	82.5	84.1
45°	73.9	74.7	76.3	79.4	80.9
47.5°	70.0	71.6	73.2	75.5	77.1
50°	66.2	67.7	69.3	72.4	73.2
52.5°	63.0	63.8	65.4	67.7	69.3
55°	59.2	59.9	61.5	63.8	65.4
57.5°	54.5	56.0	57.6	59.9	61.5
60°	50.6	52.1	52.9	56.0	56.8
62.5°	45.9	47.5	49.0	51.4	53.7
65°	41.3	42.8	44.4	49.0	51.4
67.5°	37.4	38.1	39.7	45.9	49.8
70°	31.9	33.5	36.6	44.4	46.7
72.5°	27.2	28.8	33.5	40.5	42.0
75°	22.6	24.1	31.9	35.0	35.8
77.5°	17.9	19.5	27.2	28.8	28.8
80°	12.5	16.3	21.0	23.3	23.3
82.5°	8.6	14.0	16.3	17.9	17.9
85°	5.4	9.3	11.7	13.2	13.2
87.5°	3.1	6.2	9.3	10.1	10.1
90°	0.8	0.8	0.8	0.8	0.8
92.5°	8.6	24.9	7.0	7.0	7.0
95°	15.6	119.9	95.0	14.8	14.8
97.5°	21.8	145.5	249.1	308.2	230.4
100°	28.8	172.8	264.6	326.9	345.6
102.5°	36.6	185.2	279.4	337.0	357.2
105°	45.9	189.9	295.8	349.5	367.4
107.5°	54.5	192.2	316.0	360.4	377.5
110°	63.0	193.8	328.5	372.8	386.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	71.6	194.6	323.0	389.2	400.8
115°	80.2	196.1	320.7	398.5	412.5
117.5°	88.7	196.9	317.6	389.2	415.6
120°	96.5	198.5	314.4	383.7	405.5
122.5°	104.3	199.3	311.3	378.3	398.5
125°	111.3	200.8	307.4	372.8	392.3
127.5°	118.3	202.4	304.3	366.6	385.3
130°	125.3	204.7	299.7	360.4	377.5
132.5°	131.5	206.3	295.0	353.4	369.7
135°	137.8	207.0	289.5	346.4	361.1
137.5°	143.2	207.0	284.1	338.6	353.4
140°	148.7	206.3	278.6	330.0	344.0
142.5°	154.1	205.5	273.2	320.7	335.5
145°	158.8	203.1	267.7	311.3	325.3
147.5°	163.4	200.8	262.3	301.2	313.7
150°	167.3	197.7	256.8	290.3	303.5
152.5°	170.5	195.4	249.8	281.0	291.9
155°	173.6	193.0	241.3	272.4	282.5
157.5°	176.7	191.5	231.9	262.3	271.6
160°	179.8	190.7	222.6	250.6	260.0
162.5°	182.1	189.1	213.3	237.4	245.9
165°	183.7	188.4	203.9	224.2	231.9
167.5°	185.2	187.6	197.7	209.4	215.6
170°	186.0	186.8	193.0	199.3	202.4
172.5°	186.8	186.8	189.9	193.0	194.6
175°	186.8	186.8	187.6	189.1	189.1
177.5°	186.8	187.6	187.6	187.6	186.8
180°	186.8	186.8	186.8	186.8	186.8

(END OF REPORT)