

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: P275176

Luminaire Tested: **J3-UL-20L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275176
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-20L92765-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1909.2 lumens
Efficiency: N/A
Efficacy: 118.6 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

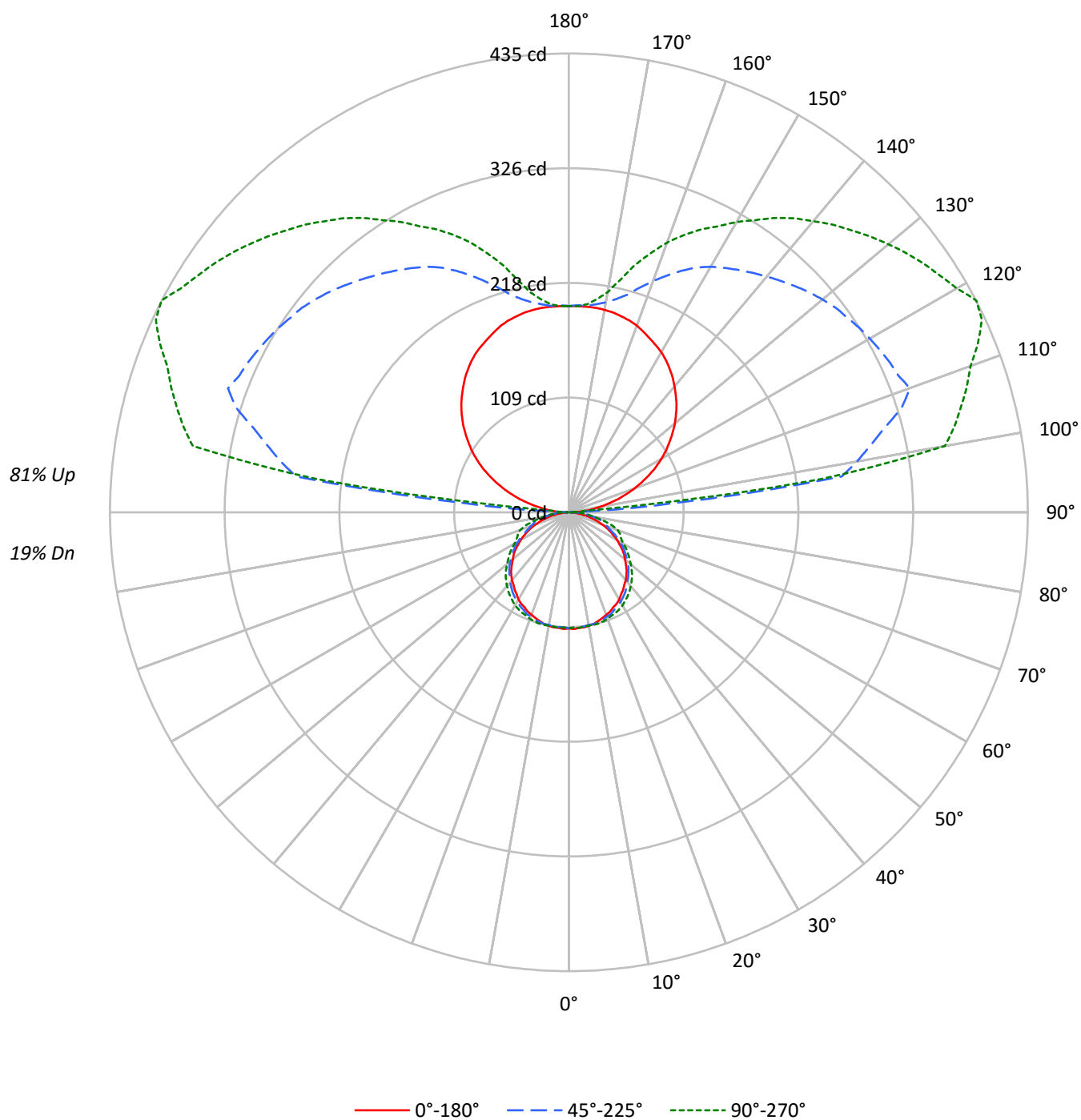
Input Watts (W): 16.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	888	888	888
5°	891	885	891
10°	895	889	895
15°	893	899	913
20°	889	903	924
25°	885	908	936
30°	889	912	950
35°	883	916	956
40°	884	911	962
45°	884	912	968
50°	870	911	962
55°	871	906	964
60°	856	894	961
65°	825	888	1028
70°	788	904	1154
75°	736	1042	1170
80°	604	1023	1134
85°	528	1130	1288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.5
10°-20°	30.5	1.6
20°-30°	47.2	2.5
30°-40°	58.3	3.1
40°-50°	62.1	3.3
50°-60°	57.9	3.0
60°-70°	47.4	2.5
70°-80°	32.6	1.7
80°-90°	12.7	0.7
90°-100°	113.6	6.0
100°-110°	287.9	15.1
110°-120°	298.4	15.6
120°-130°	266.1	13.9
130°-140°	221.4	11.6
140°-150°	168.5	8.8
150°-160°	113.4	5.9
160°-170°	61.7	3.2
170°-180°	19.0	1.0
0°-30°	88.1	4.6
0°-40°	146.4	7.7
0°-60°	266.4	14.0
0°-90°	359.2	18.8
90°-120°	700.0	36.7
90°-150°	1355.9	71.0
90°-180°	1550.0	81.2
0°-180°	1909.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	110	110	110	110	110	
5°	110	110	109	110	110	10
15°	107	108	108	108	109	30
25°	99	100	102	104	105	46
35°	90	90	93	96	97	56
45°	77	78	80	83	85	59
55°	62	63	64	67	68	55
65°	43	45	46	51	54	43
75°	24	25	33	37	38	25
85°	6	10	12	14	14	6
90°	1	1	1	1	1	2
95°	16	126	99	16	16	16
105°	48	199	310	366	385	51
115°	84	205	336	417	432	83
125°	116	210	322	390	411	104
135°	144	217	303	363	378	111
145°	166	213	280	326	341	104
155°	182	202	253	285	296	84
165°	192	197	214	235	243	54
175°	196	196	196	198	198	19
180°	196	196	196	196	196	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	110.0	110.0	110.0	110.0	110.0
2.5°	110.8	110.8	109.2	110.0	109.2
5°	110.0	110.0	109.2	110.0	110.0
7.5°	110.0	110.0	109.2	110.0	109.2
10°	109.2	109.2	108.4	109.2	109.2
12.5°	108.4	108.4	108.4	109.2	109.2
15°	106.8	107.6	107.6	108.4	109.2
17.5°	105.1	105.9	106.8	107.6	108.4
20°	103.5	104.3	105.1	106.8	107.6
22.5°	101.9	102.7	104.3	105.9	105.9
25°	99.4	100.2	101.9	104.3	105.1
27.5°	97.8	98.6	100.2	102.7	103.5
30°	95.4	96.2	97.8	101.1	101.9
32.5°	92.1	93.7	95.4	98.6	99.4
35°	89.6	90.5	92.9	96.2	97.0
37.5°	86.4	87.2	89.6	92.9	94.5
40°	83.9	84.8	86.4	89.6	91.3
42.5°	80.7	81.5	83.1	86.4	88.0
45°	77.4	78.2	79.9	83.1	84.8
47.5°	73.3	75.0	76.6	79.1	80.7
50°	69.3	70.9	72.5	75.8	76.6
52.5°	66.0	66.8	68.5	70.9	72.5
55°	61.9	62.8	64.4	66.8	68.5
57.5°	57.0	58.7	60.3	62.8	64.4
60°	53.0	54.6	55.4	58.7	59.5
62.5°	48.1	49.7	51.3	53.8	56.2
65°	43.2	44.8	46.5	51.3	53.8
67.5°	39.1	39.9	41.6	48.1	52.2
70°	33.4	35.0	38.3	46.5	48.9
72.5°	28.5	30.2	35.0	42.4	44.0
75°	23.6	25.3	33.4	36.7	37.5
77.5°	18.7	20.4	28.5	30.2	30.2
80°	13.0	17.1	22.0	24.4	24.4
82.5°	9.0	14.7	17.1	18.7	18.7
85°	5.7	9.8	12.2	13.9	13.9
87.5°	3.3	6.5	9.8	10.6	10.6
90°	0.8	0.8	0.8	0.8	0.8
92.5°	9.0	26.1	7.3	7.3	7.3
95°	16.3	125.5	99.4	15.5	15.5
97.5°	22.8	152.4	260.8	322.7	241.2
100°	30.2	180.9	277.1	342.3	361.9
102.5°	38.3	194.0	292.6	352.9	374.1
105°	48.1	198.9	309.7	365.9	384.7
107.5°	57.0	201.3	330.9	377.3	395.3
110°	66.0	202.9	343.9	390.4	405.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	75.0	203.7	338.2	407.5	419.7
115°	83.9	205.4	335.8	417.3	431.9
117.5°	92.9	206.2	332.5	407.5	435.2
120°	101.1	207.8	329.3	401.8	424.6
122.5°	109.2	208.6	326.0	396.1	417.3
125°	116.5	210.3	321.9	390.4	410.8
127.5°	123.9	211.9	318.7	383.9	403.4
130°	131.2	214.3	313.8	377.3	395.3
132.5°	137.7	216.0	308.9	370.0	387.1
135°	144.3	216.8	303.2	362.7	378.2
137.5°	150.0	216.8	297.5	354.5	370.0
140°	155.7	216.0	291.8	345.6	360.2
142.5°	161.4	215.2	286.1	335.8	351.3
145°	166.3	212.7	280.4	326.0	340.7
147.5°	171.1	210.3	274.7	315.4	328.4
150°	175.2	207.0	268.9	304.0	317.8
152.5°	178.5	204.6	261.6	294.2	305.6
155°	181.7	202.1	252.6	285.2	295.8
157.5°	185.0	200.5	242.9	274.7	284.4
160°	188.3	199.7	233.1	262.4	272.2
162.5°	190.7	198.0	223.3	248.6	257.5
165°	192.3	197.2	213.5	234.7	242.9
167.5°	194.0	196.4	207.0	219.2	225.8
170°	194.8	195.6	202.1	208.6	211.9
172.5°	195.6	195.6	198.9	202.1	203.7
175°	195.6	195.6	196.4	198.0	198.0
177.5°	195.6	196.4	196.4	196.4	195.6
180°	195.6	195.6	195.6	195.6	195.6

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