

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: P275180

Luminaire Tested: **J3-UL-20L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275180
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2164.5 lumens
Efficiency: N/A
Efficacy: 130.4 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

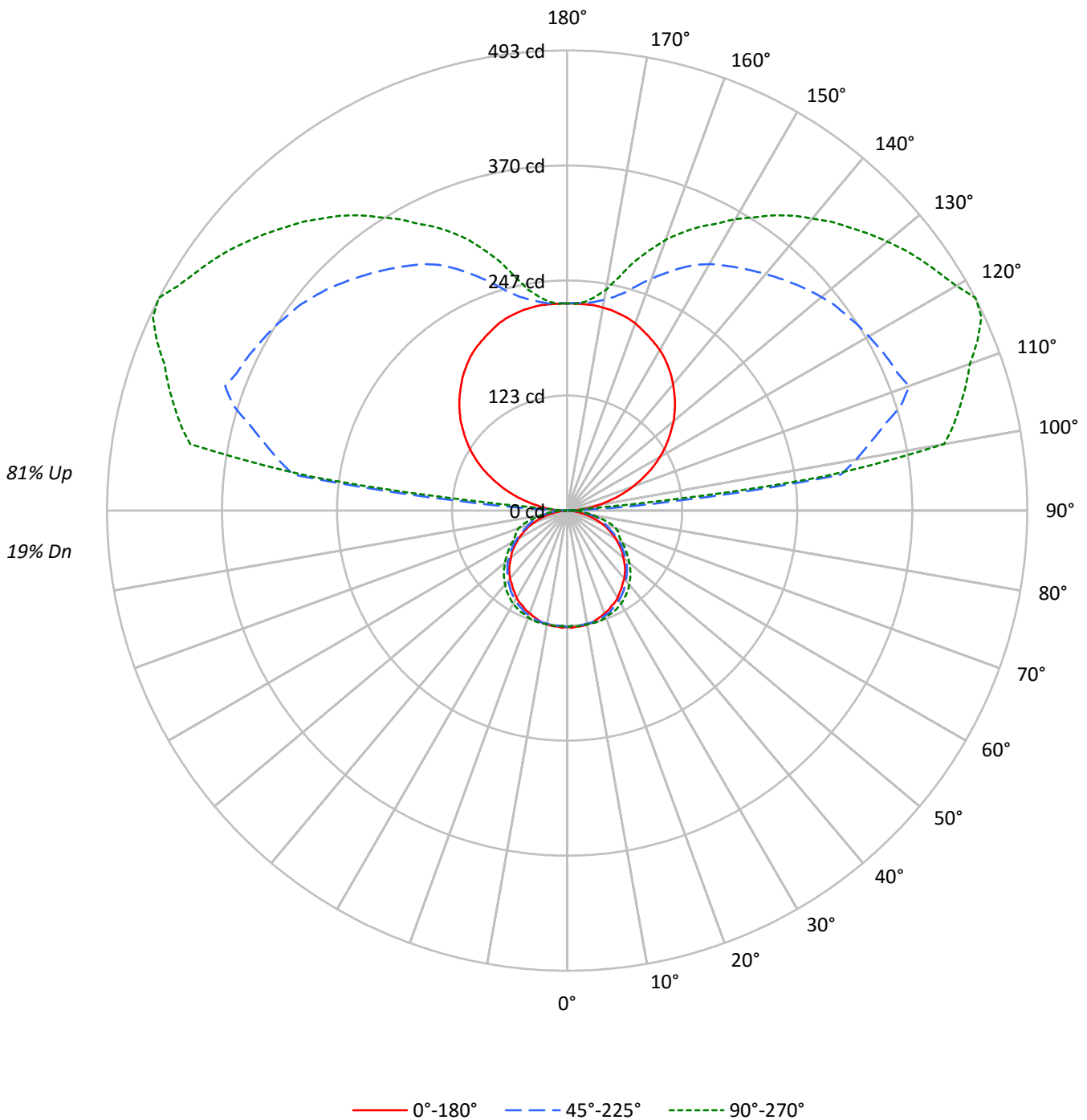
Input Watts (W): 16.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1007	1007	1007
5°	1011	1003	1011
10°	1015	1007	1015
15°	1011	1020	1035
20°	1008	1024	1048
25°	1004	1029	1062
30°	1008	1034	1077
35°	1001	1038	1084
40°	1003	1032	1091
45°	1002	1034	1097
50°	986	1032	1091
55°	988	1027	1092
60°	970	1014	1090
65°	936	1007	1165
70°	895	1024	1308
75°	836	1182	1326
80°	688	1158	1288
85°	602	1288	1454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.5
10°-20°	34.5	1.6
20°-30°	53.5	2.5
30°-40°	66.1	3.1
40°-50°	70.4	3.3
50°-60°	65.7	3.0
60°-70°	53.8	2.5
70°-80°	37.0	1.7
80°-90°	14.4	0.7
90°-100°	128.9	6.0
100°-110°	326.4	15.1
110°-120°	338.3	15.6
120°-130°	301.6	13.9
130°-140°	251.0	11.6
140°-150°	191.0	8.8
150°-160°	128.6	5.9
160°-170°	69.9	3.2
170°-180°	21.5	1.0
0°-30°	99.9	4.6
0°-40°	166.0	7.7
0°-60°	302.0	14.0
0°-90°	407.2	18.8
90°-120°	793.6	36.7
90°-150°	1537.2	71.0
90°-180°	1757.0	81.2
0°-180°	2164.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	125	125	125	125	125	
5°	125	125	124	125	125	12
15°	121	122	122	123	124	34
25°	113	114	116	118	119	52
35°	102	103	105	109	110	64
45°	88	89	91	94	96	67
55°	70	71	73	76	78	62
65°	49	51	53	58	61	49
75°	27	29	38	42	42	28
85°	6	11	14	16	16	7
90°	1	1	1	1	1	2
95°	18	142	113	18	18	18
105°	54	226	351	415	436	57
115°	95	233	381	473	490	94
125°	132	238	365	443	466	118
135°	164	246	344	411	429	126
145°	188	241	318	370	386	118
155°	206	229	286	323	335	95
165°	218	224	242	266	275	62
175°	222	222	223	224	224	21
180°	222	222	222	222	222	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	124.7	124.7	124.7	124.7	124.7
2.5°	125.7	125.7	123.8	124.7	123.8
5°	124.7	124.7	123.8	124.7	124.7
7.5°	124.7	124.7	123.8	124.7	123.8
10°	123.8	123.8	122.9	123.8	123.8
12.5°	122.9	122.9	122.9	123.8	123.8
15°	121.0	122.0	122.0	122.9	123.8
17.5°	119.2	120.1	121.0	122.0	122.9
20°	117.3	118.3	119.2	121.0	122.0
22.5°	115.5	116.4	118.3	120.1	120.1
25°	112.7	113.7	115.5	118.3	119.2
27.5°	110.9	111.8	113.7	116.4	117.3
30°	108.1	109.0	110.9	114.6	115.5
32.5°	104.4	106.3	108.1	111.8	112.7
35°	101.6	102.6	105.3	109.0	110.0
37.5°	97.9	98.9	101.6	105.3	107.2
40°	95.2	96.1	97.9	101.6	103.5
42.5°	91.5	92.4	94.2	97.9	99.8
45°	87.8	88.7	90.6	94.2	96.1
47.5°	83.2	85.0	86.9	89.6	91.5
50°	78.5	80.4	82.2	85.9	86.9
52.5°	74.8	75.8	77.6	80.4	82.2
55°	70.2	71.1	73.0	75.8	77.6
57.5°	64.7	66.5	68.4	71.1	73.0
60°	60.1	61.9	62.8	66.5	67.5
62.5°	54.5	56.4	58.2	61.0	63.8
65°	49.0	50.8	52.7	58.2	61.0
67.5°	44.4	45.3	47.1	54.5	59.1
70°	37.9	39.7	43.4	52.7	55.4
72.5°	32.3	34.2	39.7	48.0	49.9
75°	26.8	28.6	37.9	41.6	42.5
77.5°	21.3	23.1	32.3	34.2	34.2
80°	14.8	19.4	24.9	27.7	27.7
82.5°	10.2	16.6	19.4	21.3	21.3
85°	6.5	11.1	13.9	15.7	15.7
87.5°	3.7	7.4	11.1	12.0	12.0
90°	0.9	0.9	0.9	0.9	0.9
92.5°	10.2	29.6	8.3	8.3	8.3
95°	18.5	142.3	112.7	17.6	17.6
97.5°	25.9	172.8	295.7	365.9	273.5
100°	34.2	205.1	314.2	388.1	410.3
102.5°	43.4	219.9	331.7	400.1	424.1
105°	54.5	225.5	351.1	414.9	436.1
107.5°	64.7	228.2	375.1	427.8	448.1
110°	74.8	230.1	389.9	442.6	459.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	85.0	231.0	383.5	462.0	475.9
115°	95.2	232.8	380.7	473.1	489.7
117.5°	105.3	233.8	377.0	462.0	493.4
120°	114.6	235.6	373.3	455.5	481.4
122.5°	123.8	236.5	369.6	449.1	473.1
125°	132.1	238.4	365.0	442.6	465.7
127.5°	140.4	240.2	361.3	435.2	457.4
130°	148.8	243.0	355.7	427.8	448.1
132.5°	156.2	244.9	350.2	419.5	438.9
135°	163.5	245.8	343.7	411.2	428.7
137.5°	170.0	245.8	337.3	401.9	419.5
140°	176.5	244.9	330.8	391.8	408.4
142.5°	183.0	243.9	324.3	380.7	398.2
145°	188.5	241.2	317.9	369.6	386.2
147.5°	194.0	238.4	311.4	357.6	372.4
150°	198.7	234.7	304.9	344.7	360.4
152.5°	202.4	231.9	296.6	333.6	346.5
155°	206.1	229.2	286.4	323.4	335.4
157.5°	209.7	227.3	275.4	311.4	322.5
160°	213.4	226.4	264.3	297.5	308.6
162.5°	216.2	224.5	253.2	281.8	292.0
165°	218.1	223.6	242.1	266.1	275.4
167.5°	219.9	222.7	234.7	248.6	255.9
170°	220.8	221.8	229.2	236.5	240.2
172.5°	221.8	221.8	225.5	229.2	231.0
175°	221.8	221.8	222.7	224.5	224.5
177.5°	221.8	222.7	222.7	222.7	221.8
180°	221.8	221.8	221.8	221.8	221.8

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