

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: P275170

Luminaire Tested: **J3-UL-20L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275170
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-20L82765-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2337.9 lumens
Efficiency: N/A
Efficacy: 142.6 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

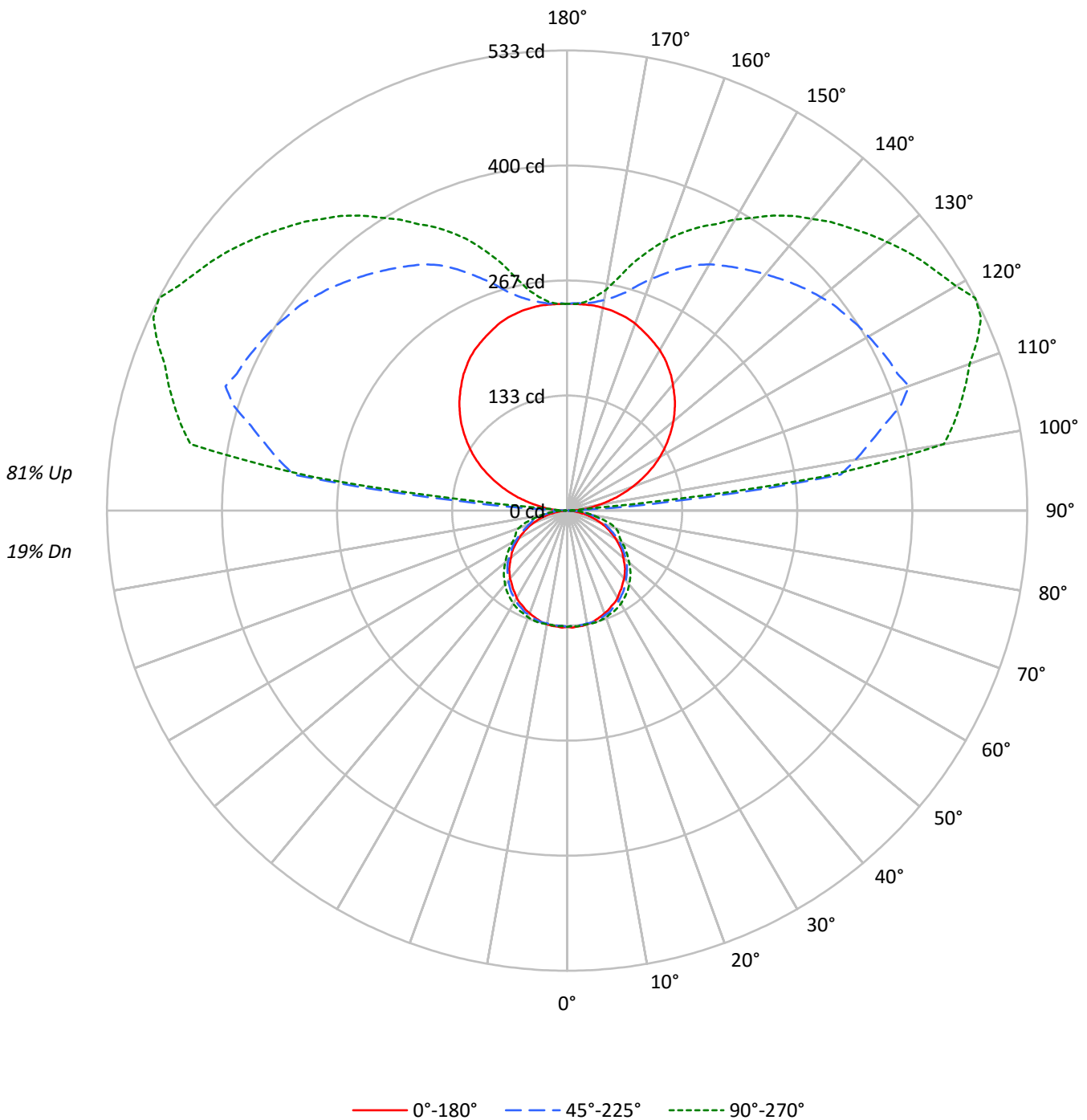
Input Watts (W): 16.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1087	1087	1087
5°	1092	1083	1092
10°	1096	1088	1096
15°	1092	1101	1117
20°	1088	1106	1131
25°	1085	1111	1146
30°	1089	1117	1162
35°	1082	1122	1171
40°	1083	1115	1178
45°	1082	1117	1185
50°	1065	1115	1178
55°	1067	1109	1179
60°	1048	1096	1177
65°	1011	1087	1259
70°	965	1107	1414
75°	901	1276	1432
80°	744	1251	1390
85°	648	1389	1575



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.5
10°-20°	37.3	1.6
20°-30°	57.8	2.5
30°-40°	71.4	3.1
40°-50°	76.0	3.3
50°-60°	70.9	3.0
60°-70°	58.1	2.5
70°-80°	40.0	1.7
80°-90°	15.6	0.7
90°-100°	139.2	6.0
100°-110°	352.5	15.1
110°-120°	365.4	15.6
120°-130°	325.8	13.9
130°-140°	271.1	11.6
140°-150°	206.3	8.8
150°-160°	138.9	5.9
160°-170°	75.5	3.2
170°-180°	23.2	1.0
0°-30°	107.9	4.6
0°-40°	179.3	7.7
0°-60°	326.2	14.0
0°-90°	439.9	18.8
90°-120°	857.2	36.7
90°-150°	1660.3	71.0
90°-180°	1898.0	81.2
0°-180°	2337.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	135	135	135	135	135	
5°	135	135	134	135	135	13
15°	131	132	132	133	134	37
25°	122	123	125	128	129	56
35°	110	111	114	118	119	69
45°	95	96	98	102	104	73
55°	76	77	79	82	84	67
65°	53	55	57	63	66	53
75°	29	31	41	45	46	30
85°	7	12	15	17	17	8
90°	1	1	1	1	1	2
95°	20	154	122	19	19	20
105°	59	244	379	448	471	62
115°	103	252	411	511	529	102
125°	143	258	394	478	503	128
135°	177	266	371	444	463	136
145°	204	260	343	399	417	127
155°	223	248	309	349	362	103
165°	236	242	262	287	297	67
175°	240	240	240	242	242	23
180°	240	240	240	240	240	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	134.7	134.7	134.7	134.7	134.7
2.5°	135.7	135.7	133.7	134.7	133.7
5°	134.7	134.7	133.7	134.7	134.7
7.5°	134.7	134.7	133.7	134.7	133.7
10°	133.7	133.7	132.7	133.7	133.7
12.5°	132.7	132.7	132.7	133.7	133.7
15°	130.7	131.7	131.7	132.7	133.7
17.5°	128.7	129.7	130.7	131.7	132.7
20°	126.7	127.7	128.7	130.7	131.7
22.5°	124.7	125.7	127.7	129.7	129.7
25°	121.8	122.8	124.7	127.7	128.7
27.5°	119.8	120.8	122.8	125.7	126.7
30°	116.8	117.8	119.8	123.8	124.7
32.5°	112.8	114.8	116.8	120.8	121.8
35°	109.8	110.8	113.8	117.8	118.8
37.5°	105.8	106.8	109.8	113.8	115.8
40°	102.8	103.8	105.8	109.8	111.8
42.5°	98.8	99.8	101.8	105.8	107.8
45°	94.8	95.8	97.8	101.8	103.8
47.5°	89.8	91.8	93.8	96.8	98.8
50°	84.8	86.8	88.8	92.8	93.8
52.5°	80.8	81.8	83.8	86.8	88.8
55°	75.8	76.8	78.8	81.8	83.8
57.5°	69.9	71.9	73.9	76.8	78.8
60°	64.9	66.9	67.9	71.9	72.9
62.5°	58.9	60.9	62.9	65.9	68.9
65°	52.9	54.9	56.9	62.9	65.9
67.5°	47.9	48.9	50.9	58.9	63.9
70°	40.9	42.9	46.9	56.9	59.9
72.5°	34.9	36.9	42.9	51.9	53.9
75°	28.9	30.9	40.9	44.9	45.9
77.5°	23.0	24.9	34.9	36.9	36.9
80°	16.0	21.0	26.9	29.9	29.9
82.5°	11.0	18.0	21.0	23.0	23.0
85°	7.0	12.0	15.0	17.0	17.0
87.5°	4.0	8.0	12.0	13.0	13.0
90°	1.0	1.0	1.0	1.0	1.0
92.5°	11.0	31.9	9.0	9.0	9.0
95°	20.0	153.7	121.8	19.0	19.0
97.5°	27.9	186.6	319.4	395.2	295.4
100°	36.9	221.6	339.3	419.2	443.1
102.5°	46.9	237.5	358.3	432.1	458.1
105°	58.9	243.5	379.2	448.1	471.1
107.5°	69.9	246.5	405.2	462.1	484.0
110°	80.8	248.5	421.2	478.0	496.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	91.8	249.5	414.2	499.0	514.0
115°	102.8	251.5	411.2	511.0	528.9
117.5°	113.8	252.5	407.2	499.0	532.9
120°	123.8	254.5	403.2	492.0	520.0
122.5°	133.7	255.5	399.2	485.0	511.0
125°	142.7	257.5	394.2	478.0	503.0
127.5°	151.7	259.5	390.2	470.1	494.0
130°	160.7	262.5	384.2	462.1	484.0
132.5°	168.7	264.5	378.2	453.1	474.0
135°	176.6	265.5	371.3	444.1	463.1
137.5°	183.6	265.5	364.3	434.1	453.1
140°	190.6	264.5	357.3	423.2	441.1
142.5°	197.6	263.5	350.3	411.2	430.1
145°	203.6	260.5	343.3	399.2	417.2
147.5°	209.6	257.5	336.3	386.2	402.2
150°	214.6	253.5	329.3	372.3	389.2
152.5°	218.6	250.5	320.4	360.3	374.2
155°	222.6	247.5	309.4	349.3	362.3
157.5°	226.5	245.5	297.4	336.3	348.3
160°	230.5	244.5	285.4	321.4	333.3
162.5°	233.5	242.5	273.5	304.4	315.4
165°	235.5	241.5	261.5	287.4	297.4
167.5°	237.5	240.5	253.5	268.5	276.4
170°	238.5	239.5	247.5	255.5	259.5
172.5°	239.5	239.5	243.5	247.5	249.5
175°	239.5	239.5	240.5	242.5	242.5
177.5°	239.5	240.5	240.5	240.5	239.5
180°	239.5	239.5	239.5	239.5	239.5

(END OF REPORT)