

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: P274986

Luminaire Tested: **J3-CL-20L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-20L92765-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1981.1 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

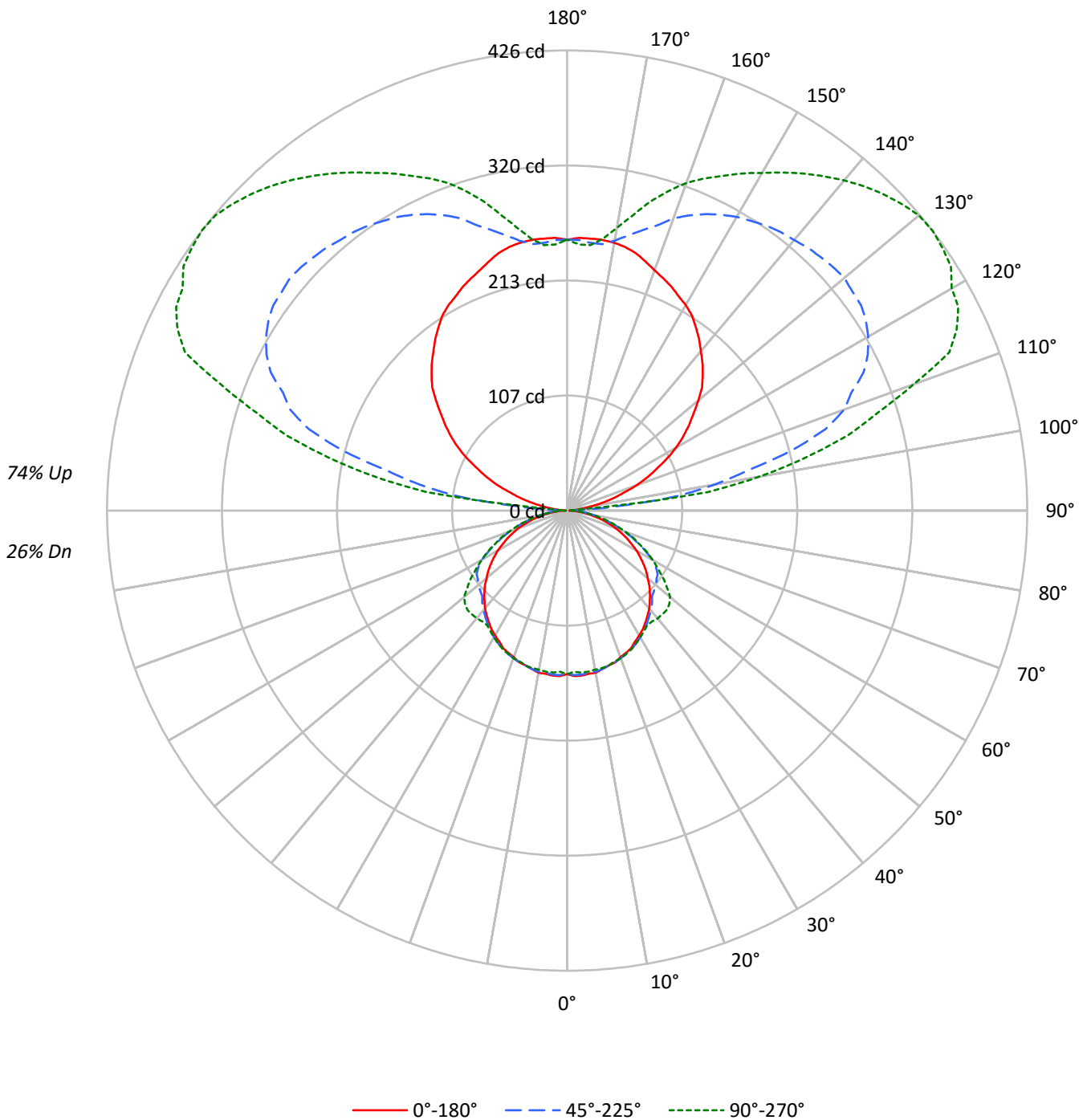
Input Watts (W): 16.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274986

CATALOG NUMBER: J3-CL-20L92765-1D-UNV-W2A-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P274986

CATALOG NUMBER: J3-CL-20L92765-1D-UNV-W2A-W-4 (4000K)

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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1222	1222	1222
5°	1243	1235	1219
10°	1249	1241	1225
15°	1240	1240	1240
20°	1241	1249	1249
25°	1251	1260	1260
30°	1244	1262	1262
35°	1245	1264	1274
40°	1247	1268	1373
45°	1236	1271	1488
50°	1222	1348	1561
55°	1213	1440	1524
60°	1198	1473	1473
65°	1169	1398	1417
70°	1135	1324	1350
75°	1064	1251	1282
80°	981	1213	1167
85°	926	1297	1112



TEST NUMBER: P274986

CATALOG NUMBER: J3-CL-20L92765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.7
10°-20°	41.9	2.1
20°-30°	64.8	3.3
30°-40°	80.3	4.1
40°-50°	89.9	4.5
50°-60°	87.8	4.4
60°-70°	69.3	3.5
70°-80°	41.9	2.1
80°-90°	14.9	0.8
90°-100°	51.4	2.6
100°-110°	199.0	10.0
110°-120°	273.5	13.8
120°-130°	276.7	14.0
130°-140°	245.2	12.4
140°-150°	193.9	9.8
150°-160°	135.4	6.8
160°-170°	76.6	3.9
170°-180°	24.0	1.2
0°-30°	121.1	6.1
0°-40°	201.4	10.2
0°-60°	379.1	19.1
0°-90°	505.3	25.5
90°-120°	523.9	26.4
90°-150°	1239.7	62.6
90°-180°	1476.0	74.5
0°-180°	1981.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	151	151	151	151	151	
5°	153	151	152	151	150	15
15°	148	147	148	148	148	42
25°	140	138	141	141	141	64
35°	126	126	128	129	129	79
45°	108	109	111	125	130	84
55°	86	87	102	108	108	77
65°	61	64	73	74	74	60
75°	34	40	40	41	41	36
85°	10	16	14	13	12	10
90°	2	6	5	1	1	2
95°	8	40	48	10	10	10
105°	44	142	216	249	269	47
115°	91	192	303	375	398	91
125°	137	223	332	404	424	123
135°	178	245	332	397	414	137
145°	208	251	322	369	381	130
155°	229	245	303	336	342	105
165°	247	246	269	292	296	69
175°	253	250	249	249	247	24
180°	251	251	251	251	251	



TEST NUMBER: P274986

CATALOG NUMBER: J3-CL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	151.4	151.4	151.4	151.4	151.4
2.5°	153.4	151.4	152.4	151.4	149.4
5°	153.4	151.4	152.4	151.4	150.4
7.5°	152.4	151.4	151.4	150.4	150.4
10°	152.4	150.4	151.4	150.4	149.4
12.5°	150.4	149.4	150.4	149.4	149.4
15°	148.4	147.4	148.4	148.4	148.4
17.5°	147.4	145.4	147.4	147.4	146.4
20°	144.4	143.4	145.4	145.4	145.4
22.5°	142.4	141.4	143.4	143.4	143.4
25°	140.4	138.4	141.4	141.4	141.4
27.5°	136.4	136.4	138.4	139.4	138.4
30°	133.4	132.3	135.4	136.4	135.4
32.5°	130.3	129.3	132.3	133.4	132.3
35°	126.3	126.3	128.3	129.3	129.3
37.5°	122.3	122.3	124.3	125.3	129.3
40°	118.3	118.3	120.3	126.3	130.3
42.5°	113.3	113.3	116.3	125.3	130.3
45°	108.3	109.3	111.3	125.3	130.3
47.5°	103.3	104.3	109.3	124.3	128.3
50°	97.3	99.3	107.3	121.3	124.3
52.5°	92.2	93.2	104.3	116.3	116.3
55°	86.2	87.2	102.3	108.3	108.3
57.5°	80.2	81.2	97.3	99.3	99.3
60°	74.2	75.2	91.2	91.2	91.2
62.5°	67.2	69.2	82.2	83.2	83.2
65°	61.2	64.2	73.2	74.2	74.2
67.5°	54.1	59.2	65.2	66.2	66.2
70°	48.1	54.1	56.1	57.2	57.2
72.5°	41.1	47.1	48.1	49.1	49.1
75°	34.1	40.1	40.1	41.1	41.1
77.5°	27.1	32.1	33.1	33.1	33.1
80°	21.1	24.1	26.1	25.1	25.1
82.5°	15.0	19.1	19.1	19.1	18.0
85°	10.0	16.0	14.0	13.0	12.0
87.5°	6.0	14.0	8.0	7.0	7.0
90°	2.0	6.0	5.0	1.0	1.0
92.5°	4.0	10.0	5.0	4.0	3.0
95°	8.0	40.1	48.1	10.0	10.0
97.5°	15.0	67.2	103.3	122.3	131.3
100°	23.1	100.3	138.4	169.4	180.5
102.5°	33.1	121.3	170.4	209.6	225.6
105°	44.1	142.4	215.6	248.7	268.7
107.5°	55.1	158.4	250.7	287.8	301.8
110°	68.2	171.5	272.7	336.9	340.9



TEST NUMBER: P274986

CATALOG NUMBER: J3-CL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	80.2	181.5	284.7	360.9	383.0
115°	91.2	192.5	302.8	375.0	398.0
117.5°	104.3	200.5	313.8	383.0	408.1
120°	116.3	207.5	321.8	393.0	411.1
122.5°	127.3	215.6	327.9	401.1	421.1
125°	137.4	222.6	331.9	404.1	424.1
127.5°	147.4	228.6	332.9	405.1	426.1
130°	158.4	234.6	334.9	404.1	425.1
132.5°	169.4	240.6	333.9	401.1	420.1
135°	177.5	244.6	331.9	397.0	414.1
137.5°	185.5	247.7	329.9	391.0	407.1
140°	192.5	249.7	326.9	384.0	399.0
142.5°	200.5	250.7	324.9	377.0	390.0
145°	207.5	250.7	321.8	369.0	381.0
147.5°	214.6	249.7	317.8	360.9	371.0
150°	219.6	247.7	313.8	352.9	360.9
152.5°	223.6	245.6	308.8	343.9	351.9
155°	228.6	244.6	302.8	335.9	341.9
157.5°	232.6	244.6	295.8	326.9	332.9
160°	236.6	244.6	287.8	317.8	322.8
162.5°	241.6	244.6	276.7	304.8	309.8
165°	246.6	245.6	268.7	291.8	295.8
167.5°	249.7	245.6	260.7	275.7	279.7
170°	251.7	247.7	253.7	264.7	265.7
172.5°	252.7	249.7	248.7	253.7	253.7
175°	252.7	249.7	248.7	248.7	246.6
177.5°	252.7	250.7	250.7	249.7	246.6
180°	250.7	250.7	250.7	250.7	250.7

(END OF REPORT)