

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: P274982

Luminaire Tested: **J3-CL-20L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274982
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-20L82765-1D-UNV-W2A-W-4 (6500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2344.5 lumens
Efficiency: N/A
Efficacy: 138.7 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

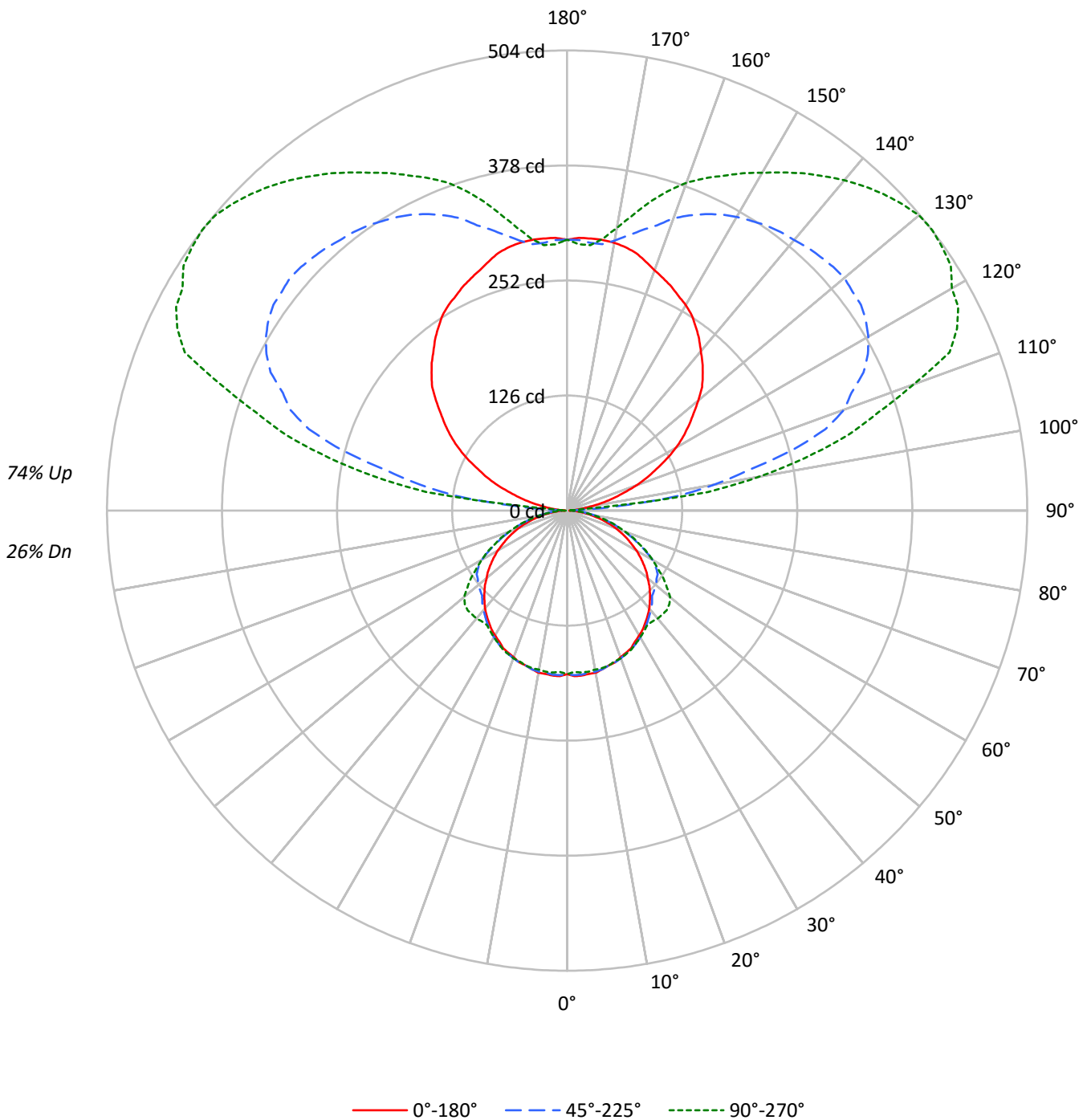
Input Watts (W): 16.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1447	1447	1447
5°	1471	1462	1442
10°	1479	1469	1449
15°	1468	1468	1468
20°	1468	1479	1479
25°	1480	1490	1490
30°	1471	1493	1493
35°	1473	1497	1509
40°	1475	1501	1626
45°	1464	1504	1762
50°	1446	1595	1847
55°	1436	1703	1804
60°	1418	1744	1744
65°	1383	1654	1677
70°	1345	1567	1596
75°	1257	1482	1519
80°	1158	1437	1381
85°	1102	1538	1315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.7
10°-20°	49.6	2.1
20°-30°	76.6	3.3
30°-40°	95.1	4.1
40°-50°	106.4	4.5
50°-60°	103.9	4.4
60°-70°	82.0	3.5
70°-80°	49.6	2.1
80°-90°	17.7	0.8
90°-100°	60.9	2.6
100°-110°	235.5	10.0
110°-120°	323.6	13.8
120°-130°	327.4	14.0
130°-140°	290.2	12.4
140°-150°	229.5	9.8
150°-160°	160.2	6.8
160°-170°	90.7	3.9
170°-180°	28.4	1.2
0°-30°	143.3	6.1
0°-40°	238.4	10.2
0°-60°	448.7	19.1
0°-90°	598.0	25.5
90°-120°	620.1	26.4
90°-150°	1467.2	62.6
90°-180°	1747.0	74.5
0°-180°	2344.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	179	179	179	179	179	
5°	182	179	180	179	178	17
15°	176	174	176	176	176	50
25°	166	164	167	167	167	76
35°	150	150	152	153	153	94
45°	128	129	132	148	154	99
55°	102	103	121	128	128	91
65°	72	76	87	88	88	71
75°	40	48	48	49	49	43
85°	12	19	17	15	14	12
90°	2	7	6	1	1	2
95°	10	48	57	12	12	12
105°	52	168	255	294	318	56
115°	108	228	358	444	471	108
125°	163	263	393	478	502	145
135°	210	290	393	470	490	162
145°	246	297	381	437	451	154
155°	270	290	358	398	405	125
165°	292	291	318	345	350	82
175°	299	296	294	294	292	29
180°	297	297	297	297	297	



TEST NUMBER: P274982

CATALOG NUMBER: J3-CL-20L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	179.2	179.2	179.2	179.2	179.2
2.5°	181.5	179.2	180.4	179.2	176.8
5°	181.5	179.2	180.4	179.2	178.0
7.5°	180.4	179.2	179.2	178.0	178.0
10°	180.4	178.0	179.2	178.0	176.8
12.5°	178.0	176.8	178.0	176.8	176.8
15°	175.6	174.4	175.6	175.6	175.6
17.5°	174.4	172.1	174.4	174.4	173.2
20°	170.9	169.7	172.1	172.1	172.1
22.5°	168.5	167.3	169.7	169.7	169.7
25°	166.1	163.7	167.3	167.3	167.3
27.5°	161.4	161.4	163.7	164.9	163.7
30°	157.8	156.6	160.2	161.4	160.2
32.5°	154.3	153.1	156.6	157.8	156.6
35°	149.5	149.5	151.9	153.1	153.1
37.5°	144.8	144.8	147.1	148.3	153.1
40°	140.0	140.0	142.4	149.5	154.3
42.5°	134.1	134.1	137.6	148.3	154.3
45°	128.2	129.3	131.7	148.3	154.3
47.5°	122.2	123.4	129.3	147.1	151.9
50°	115.1	117.5	127.0	143.6	147.1
52.5°	109.2	110.4	123.4	137.6	137.6
55°	102.0	103.2	121.0	128.2	128.2
57.5°	94.9	96.1	115.1	117.5	117.5
60°	87.8	89.0	108.0	108.0	108.0
62.5°	79.5	81.9	97.3	98.5	98.5
65°	72.4	75.9	86.6	87.8	87.8
67.5°	64.1	70.0	77.1	78.3	78.3
70°	57.0	64.1	66.4	67.6	67.6
72.5°	48.7	55.8	57.0	58.1	58.1
75°	40.3	47.5	47.5	48.7	48.7
77.5°	32.0	38.0	39.2	39.2	39.2
80°	24.9	28.5	30.9	29.7	29.7
82.5°	17.8	22.5	22.5	22.5	21.4
85°	11.9	19.0	16.6	15.4	14.2
87.5°	7.1	16.6	9.5	8.3	8.3
90°	2.4	7.1	5.9	1.2	1.2
92.5°	4.7	11.9	5.9	4.7	3.6
95°	9.5	47.5	57.0	11.9	11.9
97.5°	17.8	79.5	122.2	144.8	155.4
100°	27.3	118.7	163.7	200.5	213.6
102.5°	39.2	143.6	201.7	248.0	267.0
105°	52.2	168.5	255.1	294.3	318.0
107.5°	65.3	187.5	296.6	340.6	357.2
110°	80.7	202.9	322.8	398.7	403.4



TEST NUMBER: P274982

CATALOG NUMBER: J3-CL-20L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	94.9	214.8	337.0	427.2	453.3
115°	108.0	227.8	358.3	443.8	471.1
117.5°	123.4	237.3	371.4	453.3	482.9
120°	137.6	245.6	380.9	465.1	486.5
122.5°	150.7	255.1	388.0	474.6	498.4
125°	162.6	263.4	392.8	478.2	501.9
127.5°	174.4	270.5	393.9	479.4	504.3
130°	187.5	277.7	396.3	478.2	503.1
132.5°	200.5	284.8	395.1	474.6	497.2
135°	210.0	289.5	392.8	469.9	490.1
137.5°	219.5	293.1	390.4	462.8	481.8
140°	227.8	295.5	386.8	454.5	472.3
142.5°	237.3	296.6	384.5	446.2	461.6
145°	245.6	296.6	380.9	436.7	450.9
147.5°	253.9	295.5	376.1	427.2	439.0
150°	259.9	293.1	371.4	417.7	427.2
152.5°	264.6	290.7	365.5	407.0	416.5
155°	270.5	289.5	358.3	397.5	404.6
157.5°	275.3	289.5	350.0	386.8	393.9
160°	280.0	289.5	340.6	376.1	382.1
162.5°	286.0	289.5	327.5	360.7	366.7
165°	291.9	290.7	318.0	345.3	350.0
167.5°	295.5	290.7	308.5	326.3	331.1
170°	297.8	293.1	300.2	313.3	314.4
172.5°	299.0	295.5	294.3	300.2	300.2
175°	299.0	295.5	294.3	294.3	291.9
177.5°	299.0	296.6	296.6	295.5	291.9
180°	296.6	296.6	296.6	296.6	296.6

(END OF REPORT)