

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: P274993

Luminaire Tested: **J3-CL-30L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274993
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-30L82765-1D-UNV-W2A-W-4 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2818.8 lumens
Efficiency: N/A
Efficacy: 135.5 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

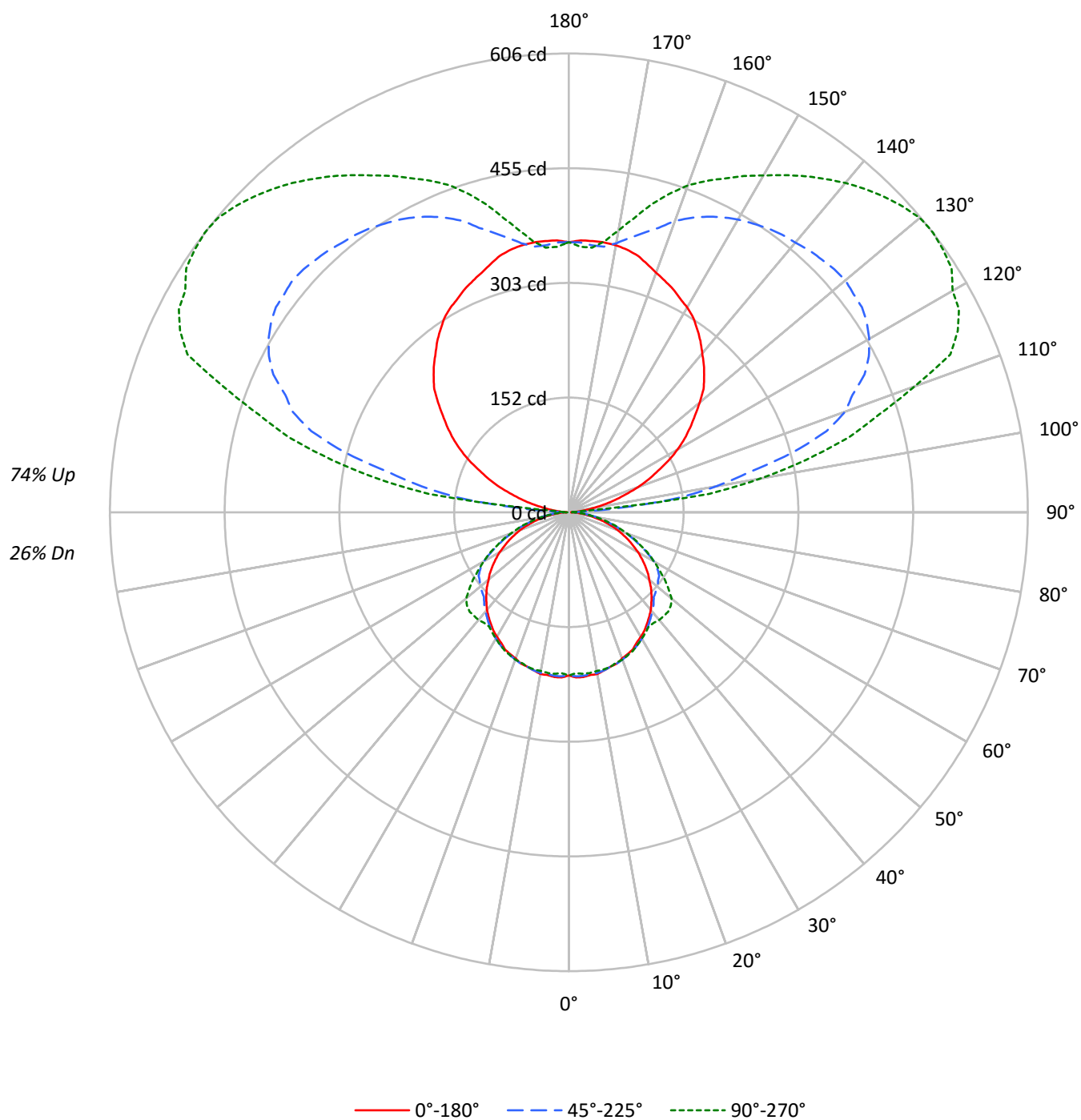
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274993

CATALOG NUMBER: J3-CL-30L82765-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P274993

CATALOG NUMBER: J3-CL-30L82765-1D-UNV-W2A-W-4 (3500K)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1739	1739	1739
5°	1769	1757	1734
10°	1777	1766	1743
15°	1764	1764	1764
20°	1765	1777	1777
25°	1779	1792	1792
30°	1768	1795	1795
35°	1772	1800	1813
40°	1774	1804	1955
45°	1759	1808	2118
50°	1738	1917	2222
55°	1727	2048	2169
60°	1705	2096	2096
65°	1662	1989	2017
70°	1617	1886	1919
75°	1513	1781	1825
80°	1395	1725	1660
85°	1325	1853	1584



TEST NUMBER: P274993

CATALOG NUMBER: J3-CL-30L82765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.7
10°-20°	59.6	2.1
20°-30°	92.1	3.3
30°-40°	114.3	4.1
40°-50°	127.9	4.5
50°-60°	125.0	4.4
60°-70°	98.6	3.5
70°-80°	59.7	2.1
80°-90°	21.2	0.8
90°-100°	73.2	2.6
100°-110°	283.1	10.0
110°-120°	389.1	13.8
120°-130°	393.7	14.0
130°-140°	348.9	12.4
140°-150°	275.9	9.8
150°-160°	192.7	6.8
160°-170°	109.0	3.9
170°-180°	34.2	1.2
0°-30°	172.3	6.1
0°-40°	286.6	10.2
0°-60°	539.5	19.1
0°-90°	719.0	25.5
90°-120°	745.5	26.4
90°-150°	1764.0	62.6
90°-180°	2100.0	74.5
0°-180°	2818.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	215	215	215	215	215	
5°	218	215	217	215	214	21
15°	211	210	211	211	211	60
25°	200	197	201	201	201	92
35°	180	180	183	184	184	113
45°	154	156	158	178	186	119
55°	123	124	146	154	154	110
65°	87	91	104	106	106	86
75°	48	57	57	58	58	51
85°	14	23	20	18	17	15
90°	3	9	7	1	1	3
95°	11	57	68	14	14	14
105°	63	203	307	354	382	67
115°	130	274	431	534	566	129
125°	195	317	472	575	604	175
135°	252	348	472	565	589	194
145°	295	357	458	525	542	185
155°	325	348	431	478	486	150
165°	351	350	382	415	421	99
175°	360	355	354	354	351	34
180°	357	357	357	357	357	



TEST NUMBER: P274993

CATALOG NUMBER: J3-CL-30L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	215.4	215.4	215.4	215.4	215.4
2.5°	218.3	215.4	216.8	215.4	212.6
5°	218.3	215.4	216.8	215.4	214.0
7.5°	216.8	215.4	215.4	214.0	214.0
10°	216.8	214.0	215.4	214.0	212.6
12.5°	214.0	212.6	214.0	212.6	212.6
15°	211.1	209.7	211.1	211.1	211.1
17.5°	209.7	206.9	209.7	209.7	208.3
20°	205.4	204.0	206.9	206.9	206.9
22.5°	202.6	201.2	204.0	204.0	204.0
25°	199.7	196.9	201.2	201.2	201.2
27.5°	194.0	194.0	196.9	198.3	196.9
30°	189.7	188.3	192.6	194.0	192.6
32.5°	185.5	184.0	188.3	189.7	188.3
35°	179.8	179.8	182.6	184.0	184.0
37.5°	174.0	174.0	176.9	178.3	184.0
40°	168.3	168.3	171.2	179.8	185.5
42.5°	161.2	161.2	165.5	178.3	185.5
45°	154.1	155.5	158.4	178.3	185.5
47.5°	146.9	148.4	155.5	176.9	182.6
50°	138.4	141.2	152.6	172.6	176.9
52.5°	131.3	132.7	148.4	165.5	165.5
55°	122.7	124.1	145.5	154.1	154.1
57.5°	114.1	115.6	138.4	141.2	141.2
60°	105.6	107.0	129.8	129.8	129.8
62.5°	95.6	98.4	117.0	118.4	118.4
65°	87.0	91.3	104.1	105.6	105.6
67.5°	77.0	84.2	92.7	94.2	94.2
70°	68.5	77.0	79.9	81.3	81.3
72.5°	58.5	67.1	68.5	69.9	69.9
75°	48.5	57.1	57.1	58.5	58.5
77.5°	38.5	45.7	47.1	47.1	47.1
80°	30.0	34.2	37.1	35.7	35.7
82.5°	21.4	27.1	27.1	27.1	25.7
85°	14.3	22.8	20.0	18.5	17.1
87.5°	8.6	20.0	11.4	10.0	10.0
90°	2.9	8.6	7.1	1.4	1.4
92.5°	5.7	14.3	7.1	5.7	4.3
95°	11.4	57.1	68.5	14.3	14.3
97.5°	21.4	95.6	146.9	174.0	186.9
100°	32.8	142.7	196.9	241.1	256.8
102.5°	47.1	172.6	242.5	298.2	321.0
105°	62.8	202.6	306.7	353.8	382.3
107.5°	78.5	225.4	356.7	409.4	429.4
110°	97.0	244.0	388.0	479.3	485.1



TEST NUMBER: P274993

CATALOG NUMBER: J3-CL-30L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	114.1	258.2	405.2	513.6	545.0
115°	129.8	273.9	430.8	533.6	566.4
117.5°	148.4	285.3	446.5	545.0	580.6
120°	165.5	295.3	457.9	559.2	584.9
122.5°	181.2	306.7	466.5	570.7	599.2
125°	195.4	316.7	472.2	574.9	603.5
127.5°	209.7	325.3	473.6	576.4	606.3
130°	225.4	333.8	476.5	574.9	604.9
132.5°	241.1	342.4	475.1	570.7	597.8
135°	252.5	348.1	472.2	564.9	589.2
137.5°	263.9	352.4	469.4	556.4	579.2
140°	273.9	355.2	465.1	546.4	567.8
142.5°	285.3	356.7	462.2	536.4	555.0
145°	295.3	356.7	457.9	525.0	542.1
147.5°	305.3	355.2	452.2	513.6	527.9
150°	312.4	352.4	446.5	502.2	513.6
152.5°	318.1	349.5	439.4	489.3	500.7
155°	325.3	348.1	430.8	477.9	486.5
157.5°	331.0	348.1	420.9	465.1	473.6
160°	336.7	348.1	409.4	452.2	459.4
162.5°	343.8	348.1	393.8	433.7	440.8
165°	351.0	349.5	382.3	415.1	420.9
167.5°	355.2	349.5	370.9	392.3	398.0
170°	358.1	352.4	360.9	376.6	378.1
172.5°	359.5	355.2	353.8	360.9	360.9
175°	359.5	355.2	353.8	353.8	351.0
177.5°	359.5	356.7	356.7	355.2	351.0
180°	356.7	356.7	356.7	356.7	356.7

(END OF REPORT)