

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: P275004

Luminaire Tested: **J3-CL-30L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275004
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-30L92765-1D-UNV-W2A-W-4 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2665.9 lumens
Efficiency: N/A
Efficacy: 125.7 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

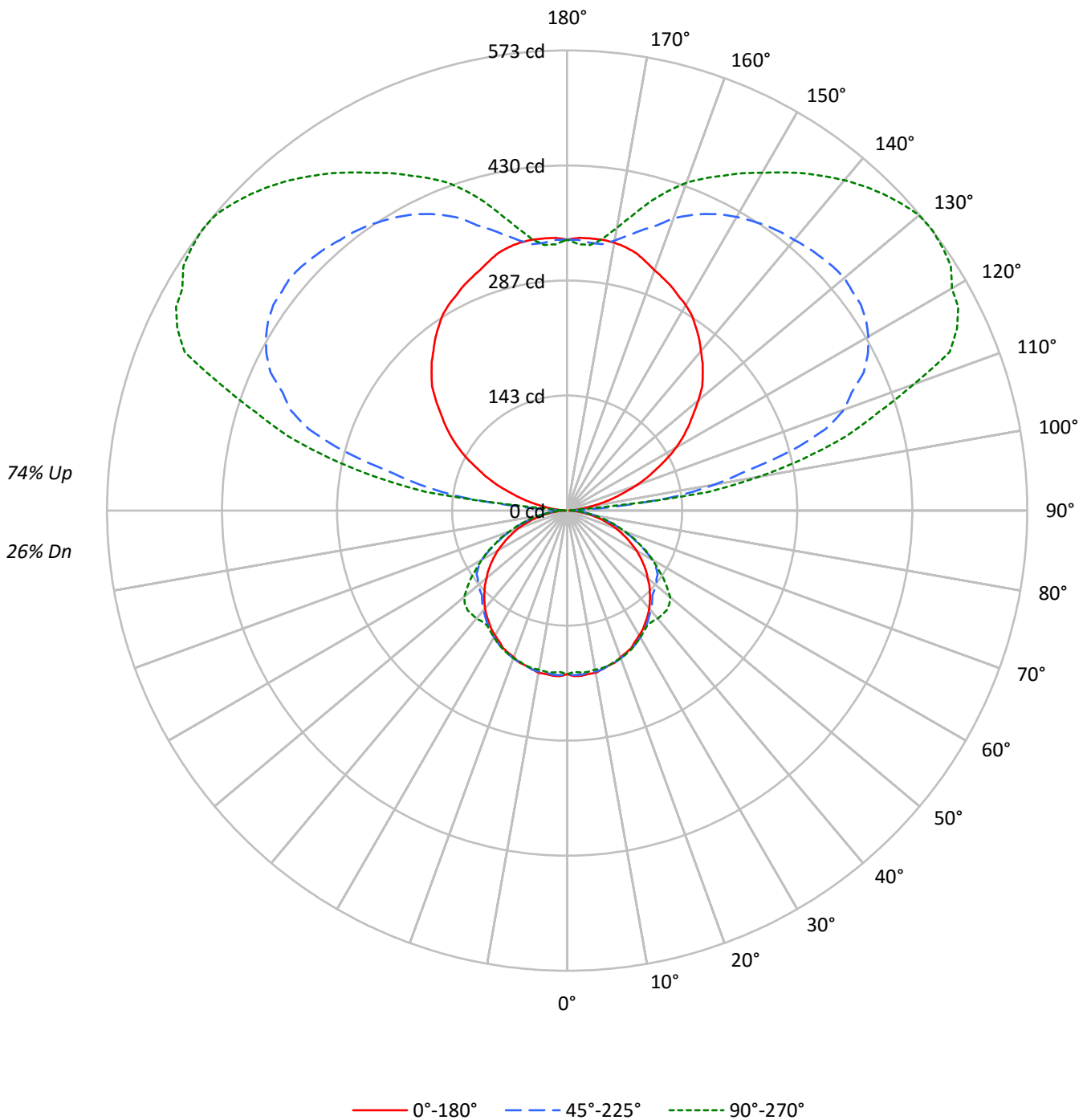
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1644	1644	1644
5°	1673	1662	1640
10°	1681	1670	1648
15°	1669	1669	1669
20°	1669	1680	1680
25°	1683	1694	1694
30°	1672	1698	1698
35°	1675	1702	1716
40°	1678	1706	1848
45°	1663	1710	2003
50°	1644	1814	2101
55°	1633	1937	2051
60°	1611	1983	1983
65°	1572	1882	1906
70°	1530	1784	1815
75°	1432	1684	1725
80°	1316	1632	1567
85°	1250	1751	1501



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	0.7
10°-20°	56.4	2.1
20°-30°	87.1	3.3
30°-40°	108.1	4.1
40°-50°	121.0	4.5
50°-60°	118.2	4.4
60°-70°	93.2	3.5
70°-80°	56.4	2.1
80°-90°	20.1	0.8
90°-100°	69.2	2.6
100°-110°	267.8	10.0
110°-120°	368.0	13.8
120°-130°	372.3	14.0
130°-140°	330.0	12.4
140°-150°	261.0	9.8
150°-160°	182.2	6.8
160°-170°	103.1	3.9
170°-180°	32.3	1.2
0°-30°	162.9	6.1
0°-40°	271.0	10.2
0°-60°	510.2	19.1
0°-90°	679.9	25.5
90°-120°	705.0	26.4
90°-150°	1668.3	62.6
90°-180°	1986.0	74.5
0°-180°	2665.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	204	204	204	204	204	
5°	206	204	205	204	202	20
15°	200	198	200	200	200	57
25°	189	186	190	190	190	87
35°	170	170	173	174	174	106
45°	146	147	150	169	175	112
55°	116	117	138	146	146	104
65°	82	86	98	100	100	81
75°	46	54	54	55	55	49
85°	14	22	19	18	16	14
90°	3	8	7	1	1	3
95°	11	54	65	14	14	13
105°	59	192	290	335	362	63
115°	123	259	408	505	536	122
125°	185	300	447	544	571	165
135°	239	329	447	534	557	184
145°	279	337	433	496	513	175
155°	308	329	408	452	460	142
165°	332	331	362	393	398	93
175°	340	336	335	335	332	32
180°	337	337	337	337	337	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	203.7	203.7	203.7	203.7	203.7
2.5°	206.4	203.7	205.1	203.7	201.0
5°	206.4	203.7	205.1	203.7	202.4
7.5°	205.1	203.7	203.7	202.4	202.4
10°	205.1	202.4	203.7	202.4	201.0
12.5°	202.4	201.0	202.4	201.0	201.0
15°	199.7	198.3	199.7	199.7	199.7
17.5°	198.3	195.6	198.3	198.3	197.0
20°	194.3	192.9	195.6	195.6	195.6
22.5°	191.6	190.2	192.9	192.9	192.9
25°	188.9	186.2	190.2	190.2	190.2
27.5°	183.5	183.5	186.2	187.5	186.2
30°	179.4	178.1	182.1	183.5	182.1
32.5°	175.4	174.1	178.1	179.4	178.1
35°	170.0	170.0	172.7	174.1	174.1
37.5°	164.6	164.6	167.3	168.7	174.1
40°	159.2	159.2	161.9	170.0	175.4
42.5°	152.5	152.5	156.5	168.7	175.4
45°	145.7	147.1	149.8	168.7	175.4
47.5°	139.0	140.3	147.1	167.3	172.7
50°	130.9	133.6	144.4	163.3	167.3
52.5°	124.1	125.5	140.3	156.5	156.5
55°	116.0	117.4	137.6	145.7	145.7
57.5°	107.9	109.3	130.9	133.6	133.6
60°	99.8	101.2	122.8	122.8	122.8
62.5°	90.4	93.1	110.6	112.0	112.0
65°	82.3	86.4	98.5	99.8	99.8
67.5°	72.9	79.6	87.7	89.0	89.0
70°	64.8	72.9	75.6	76.9	76.9
72.5°	55.3	63.4	64.8	66.1	66.1
75°	45.9	54.0	54.0	55.3	55.3
77.5°	36.4	43.2	44.5	44.5	44.5
80°	28.3	32.4	35.1	33.7	33.7
82.5°	20.2	25.6	25.6	25.6	24.3
85°	13.5	21.6	18.9	17.5	16.2
87.5°	8.1	18.9	10.8	9.4	9.4
90°	2.7	8.1	6.7	1.3	1.3
92.5°	5.4	13.5	6.7	5.4	4.0
95°	10.8	54.0	64.8	13.5	13.5
97.5°	20.2	90.4	139.0	164.6	176.8
100°	31.0	134.9	186.2	228.0	242.9
102.5°	44.5	163.3	229.4	282.0	303.6
105°	59.4	191.6	290.1	334.6	361.6
107.5°	74.2	213.2	337.3	387.2	406.1
110°	91.7	230.7	367.0	453.3	458.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	107.9	244.2	383.2	485.7	515.4
115°	122.8	259.1	407.5	504.6	535.6
117.5°	140.3	269.8	422.3	515.4	549.1
120°	156.5	279.3	433.1	528.9	553.2
122.5°	171.4	290.1	441.2	539.7	566.7
125°	184.8	299.5	446.6	543.7	570.7
127.5°	198.3	307.6	447.9	545.1	573.4
130°	213.2	315.7	450.6	543.7	572.1
132.5°	228.0	323.8	449.3	539.7	565.3
135°	238.8	329.2	446.6	534.3	557.2
137.5°	249.6	333.3	443.9	526.2	547.8
140°	259.1	336.0	439.9	516.8	537.0
142.5°	269.8	337.3	437.2	507.3	524.9
145°	279.3	337.3	433.1	496.5	512.7
147.5°	288.7	336.0	427.7	485.7	499.2
150°	295.5	333.3	422.3	474.9	485.7
152.5°	300.9	330.6	415.6	462.8	473.6
155°	307.6	329.2	407.5	452.0	460.1
157.5°	313.0	329.2	398.0	439.9	447.9
160°	318.4	329.2	387.2	427.7	434.5
162.5°	325.2	329.2	372.4	410.2	416.9
165°	331.9	330.6	361.6	392.6	398.0
167.5°	336.0	330.6	350.8	371.0	376.4
170°	338.7	333.3	341.4	356.2	357.5
172.5°	340.0	336.0	334.6	341.4	341.4
175°	340.0	336.0	334.6	334.6	331.9
177.5°	340.0	337.3	337.3	336.0	331.9
180°	337.3	337.3	337.3	337.3	337.3

(END OF REPORT)