

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: P275212

Luminaire Tested: **J3-UL-40L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-40L92765-1D-UNV-W2A-W-4 (5000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN 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: 3707.9 lumens
Efficiency: N/A
Efficacy: 130.1 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

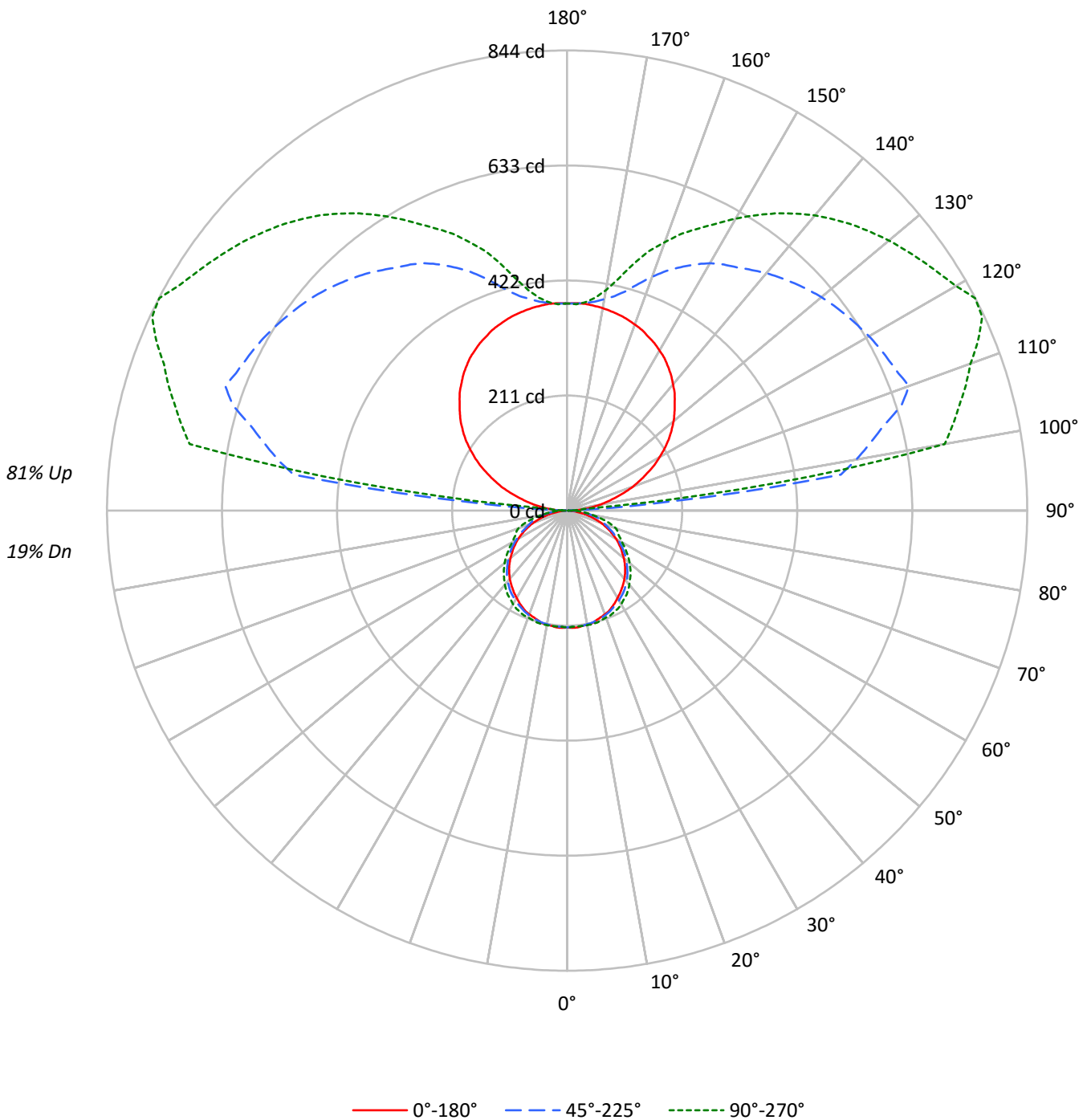
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	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	20	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°	1731	1731	1731
5°	1745	1729	1729
10°	1742	1735	1749
15°	1738	1745	1776
20°	1739	1754	1794
25°	1737	1761	1827
30°	1723	1774	1852
35°	1721	1785	1867
40°	1723	1782	1870
45°	1719	1783	1878
50°	1706	1776	1880
55°	1690	1769	1873
60°	1671	1745	1879
65°	1624	1731	1977
70°	1570	1744	2247
75°	1441	1990	2277
80°	1246	2018	2190
85°	945	2223	2482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	0.5
10°-20°	59.3	1.6
20°-30°	91.8	2.5
30°-40°	113.5	3.1
40°-50°	121.1	3.3
50°-60°	112.9	3.0
60°-70°	92.1	2.5
70°-80°	63.4	1.7
80°-90°	24.8	0.7
90°-100°	215.9	5.8
100°-110°	559.6	15.1
110°-120°	580.5	15.7
120°-130°	516.7	13.9
130°-140°	430.5	11.6
140°-150°	327.8	8.8
150°-160°	220.8	6.0
160°-170°	119.9	3.2
170°-180°	36.9	1.0
0°-30°	171.5	4.6
0°-40°	285.0	7.7
0°-60°	519.0	14.0
0°-90°	699.4	18.9
90°-120°	1356.0	36.6
90°-150°	2631.0	71.0
90°-180°	3008.0	81.1
0°-180°	3707.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	214	214	214	214	214	
5°	215	215	213	213	213	20
15°	208	209	209	212	212	59
25°	195	195	198	203	205	90
35°	175	176	181	187	189	109
45°	151	152	156	162	164	116
55°	120	123	126	129	133	107
65°	85	87	91	99	104	84
75°	46	49	64	71	73	49
85°	10	19	24	28	27	12
90°	2	2	2	2	2	4
95°	31	244	188	30	30	31
105°	92	387	601	712	745	98
115°	162	400	651	813	840	161
125°	227	409	625	758	796	203
135°	279	420	590	705	741	216
145°	322	413	544	634	665	202
155°	352	394	492	555	571	163
165°	371	384	417	456	468	105
175°	381	382	382	384	384	36
180°	380	380	380	380	380	



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CATALOG NUMBER: J3-UL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	214.4	214.4	214.4	214.4	214.4
2.5°	215.3	215.3	213.4	213.4	213.4
5°	215.3	215.3	213.4	213.4	213.4
7.5°	213.4	214.4	213.4	213.4	213.4
10°	212.5	212.5	211.6	212.5	213.4
12.5°	211.6	211.6	210.7	212.5	213.4
15°	207.9	208.8	208.8	211.6	212.5
17.5°	205.1	206.1	207.0	209.7	210.7
20°	202.4	202.4	204.2	207.9	208.8
22.5°	199.6	199.6	201.4	206.1	207.9
25°	195.0	195.0	197.7	203.3	205.1
27.5°	190.3	191.3	194.0	199.6	202.4
30°	184.8	186.6	190.3	195.9	198.7
32.5°	180.2	182.0	185.7	191.3	193.1
35°	174.6	176.5	181.1	186.6	189.4
37.5°	169.1	170.9	175.6	181.1	183.9
40°	163.5	165.4	169.1	175.6	177.4
42.5°	157.1	158.9	163.5	169.1	170.9
45°	150.6	152.5	156.2	161.7	164.5
47.5°	143.2	146.0	148.8	154.3	157.1
50°	135.8	138.6	141.4	146.9	149.7
52.5°	127.5	131.2	134.0	138.6	141.4
55°	120.1	122.9	125.7	129.4	133.1
57.5°	111.8	114.6	117.3	122.0	124.7
60°	103.5	105.3	108.1	112.7	116.4
62.5°	94.2	97.0	98.9	104.4	110.0
65°	85.0	86.9	90.6	98.9	103.5
67.5°	75.8	77.6	81.3	93.3	100.7
70°	66.5	68.4	73.9	90.6	95.2
72.5°	55.4	58.2	67.5	83.2	85.0
75°	46.2	49.0	63.8	71.1	73.0
77.5°	36.0	39.7	54.5	59.1	60.1
80°	26.8	33.3	43.4	47.1	47.1
82.5°	17.6	27.7	33.3	37.0	37.0
85°	10.2	19.4	24.0	27.7	26.8
87.5°	6.5	12.9	18.5	21.3	20.3
90°	1.8	1.8	1.8	1.8	1.8
92.5°	17.6	49.0	14.8	13.9	13.9
95°	31.4	243.9	187.6	30.5	29.6
97.5°	44.4	297.5	506.4	597.8	388.1
100°	60.1	353.9	538.7	666.2	703.2
102.5°	74.8	377.9	568.3	684.7	724.4
105°	91.5	387.2	600.6	711.5	744.7
107.5°	110.0	392.7	643.1	733.7	766.9
110°	128.4	395.5	667.1	763.2	787.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	145.1	397.3	657.9	793.7	815.9
115°	161.7	400.1	651.4	813.1	839.9
117.5°	180.2	401.9	645.9	794.6	843.6
120°	195.9	404.7	639.4	781.7	823.3
122.5°	211.6	407.5	632.0	769.7	809.4
125°	227.3	409.3	624.6	757.7	796.5
127.5°	241.2	411.2	617.2	744.7	783.6
130°	255.0	416.7	608.9	732.7	770.6
132.5°	267.0	420.4	599.7	717.9	755.8
135°	279.0	420.4	589.5	705.0	741.0
137.5°	292.0	420.4	579.3	688.4	724.4
140°	302.1	418.6	568.3	671.7	706.9
142.5°	313.2	416.7	556.2	654.2	686.5
145°	322.5	413.0	544.2	633.9	665.3
147.5°	331.7	408.4	535.0	613.5	642.2
150°	339.1	403.8	523.9	593.2	618.2
152.5°	346.5	398.2	509.1	573.8	593.2
155°	352.0	394.5	492.5	555.3	571.0
157.5°	358.5	391.8	475.9	534.1	549.8
160°	363.1	388.1	456.5	510.0	523.9
162.5°	367.8	385.3	436.1	484.2	499.0
165°	371.4	383.5	416.7	455.5	467.5
167.5°	374.2	382.5	402.9	426.9	435.2
170°	377.0	381.6	393.6	407.5	410.3
172.5°	378.8	381.6	386.2	392.7	393.6
175°	380.7	382.5	382.5	384.4	383.5
177.5°	380.7	381.6	379.8	380.7	378.8
180°	379.8	379.8	379.8	379.8	379.8

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