

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: P275208

Luminaire Tested: **J3-UL-40L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275208
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3270.5 lumens
Efficiency: N/A
Efficacy: 118.5 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

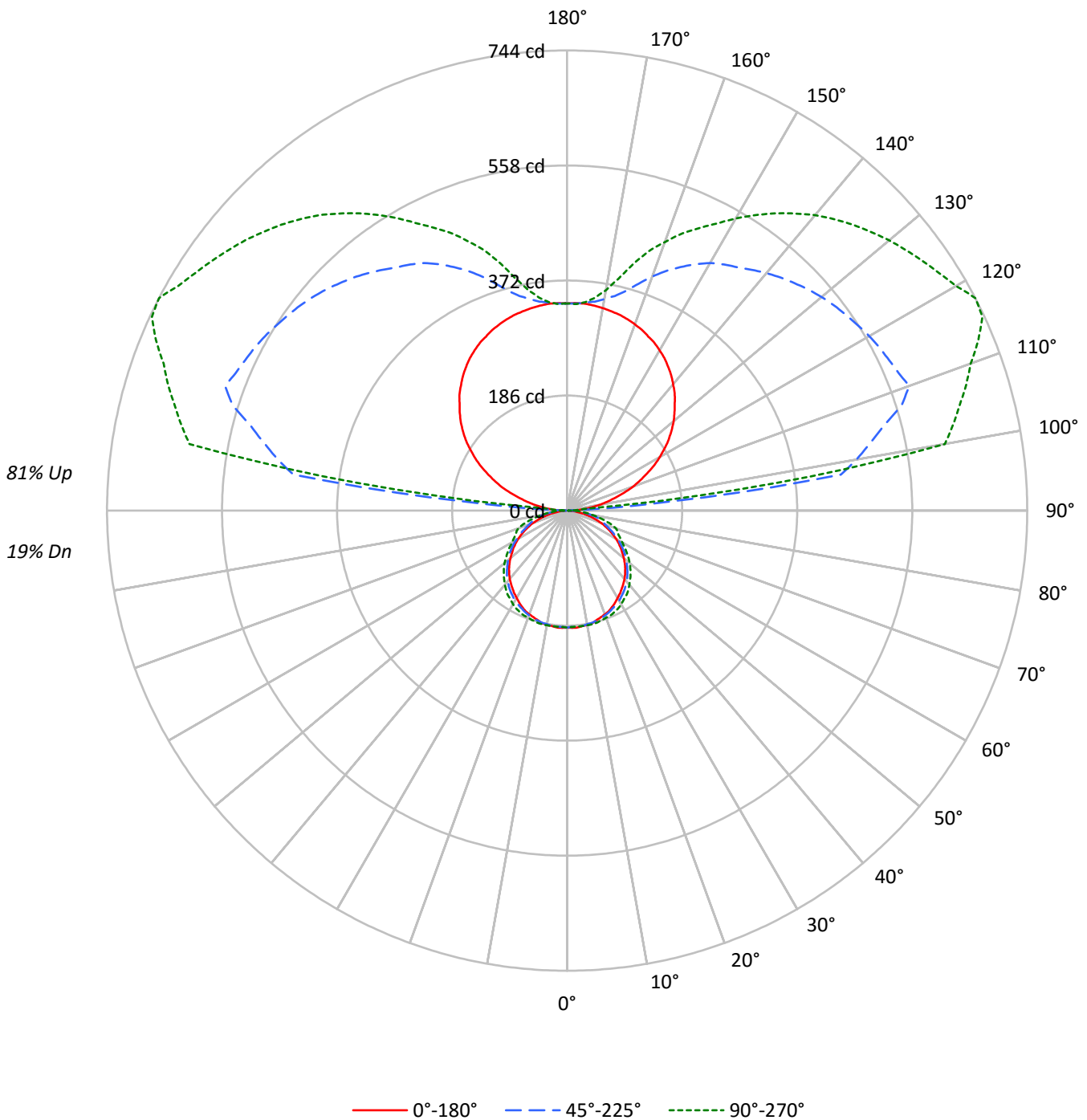
Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1527	1527	1527
5°	1539	1526	1526
10°	1537	1530	1544
15°	1533	1539	1567
20°	1534	1547	1582
25°	1532	1553	1611
30°	1519	1565	1633
35°	1518	1574	1647
40°	1521	1571	1649
45°	1516	1572	1657
50°	1505	1566	1658
55°	1492	1559	1652
60°	1474	1540	1658
65°	1433	1526	1744
70°	1386	1539	1980
75°	1273	1753	2009
80°	1097	1781	1934
85°	834	1964	2186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.5
10°-20°	52.3	1.6
20°-30°	81.0	2.5
30°-40°	100.2	3.1
40°-50°	106.8	3.3
50°-60°	99.6	3.0
60°-70°	81.3	2.5
70°-80°	55.9	1.7
80°-90°	21.9	0.7
90°-100°	190.4	5.8
100°-110°	493.5	15.1
110°-120°	512.0	15.7
120°-130°	455.7	13.9
130°-140°	379.7	11.6
140°-150°	289.2	8.8
150°-160°	194.8	6.0
160°-170°	105.7	3.2
170°-180°	32.5	1.0
0°-30°	151.3	4.6
0°-40°	251.4	7.7
0°-60°	457.8	14.0
0°-90°	616.9	18.9
90°-120°	1196.0	36.6
90°-150°	2320.6	71.0
90°-180°	2654.0	81.2
0°-180°	3270.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	189	189	189	189	189	
5°	190	190	188	188	188	18
15°	183	184	184	187	188	52
25°	172	172	174	179	181	79
35°	154	156	160	165	167	96
45°	133	134	138	143	145	102
55°	106	108	111	114	117	95
65°	75	77	80	87	91	74
75°	41	43	56	63	64	43
85°	9	17	21	24	24	11
90°	2	2	2	2	2	3
95°	28	215	165	27	26	27
105°	81	342	530	628	657	86
115°	143	353	575	717	741	142
125°	200	361	551	668	702	179
135°	246	371	520	622	654	190
145°	284	364	480	559	587	178
155°	310	348	434	490	504	143
165°	328	338	368	402	412	93
175°	336	337	337	339	338	32
180°	335	335	335	335	335	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	189.1	189.1	189.1	189.1	189.1
2.5°	189.9	189.9	188.3	188.3	188.3
5°	189.9	189.9	188.3	188.3	188.3
7.5°	188.3	189.1	188.3	188.3	188.3
10°	187.5	187.5	186.6	187.5	188.3
12.5°	186.6	186.6	185.8	187.5	188.3
15°	183.4	184.2	184.2	186.6	187.5
17.5°	180.9	181.7	182.6	185.0	185.8
20°	178.5	178.5	180.1	183.4	184.2
22.5°	176.0	176.0	177.7	181.7	183.4
25°	172.0	172.0	174.4	179.3	180.9
27.5°	167.9	168.7	171.2	176.0	178.5
30°	163.0	164.6	167.9	172.8	175.2
32.5°	158.9	160.6	163.8	168.7	170.3
35°	154.0	155.7	159.7	164.6	167.1
37.5°	149.1	150.8	154.9	159.7	162.2
40°	144.3	145.9	149.1	154.9	156.5
42.5°	138.6	140.2	144.3	149.1	150.8
45°	132.8	134.5	137.7	142.6	145.1
47.5°	126.3	128.8	131.2	136.1	138.6
50°	119.8	122.3	124.7	129.6	132.0
52.5°	112.5	115.7	118.2	122.3	124.7
55°	106.0	108.4	110.8	114.1	117.4
57.5°	98.6	101.1	103.5	107.6	110.0
60°	91.3	92.9	95.4	99.4	102.7
62.5°	83.1	85.6	87.2	92.1	97.0
65°	75.0	76.6	79.9	87.2	91.3
67.5°	66.8	68.5	71.7	82.3	88.8
70°	58.7	60.3	65.2	79.9	83.9
72.5°	48.9	51.3	59.5	73.4	75.0
75°	40.8	43.2	56.2	62.8	64.4
77.5°	31.8	35.0	48.1	52.2	53.0
80°	23.6	29.3	38.3	41.6	41.6
82.5°	15.5	24.5	29.3	32.6	32.6
85°	9.0	17.1	21.2	24.5	23.6
87.5°	5.7	11.4	16.3	18.7	17.9
90°	1.6	1.6	1.6	1.6	1.6
92.5°	15.5	43.2	13.0	12.2	12.2
95°	27.7	215.2	165.4	26.9	26.1
97.5°	39.1	262.4	446.6	527.3	342.3
100°	53.0	312.1	475.1	587.6	620.2
102.5°	66.0	333.3	501.2	603.9	639.0
105°	80.7	341.5	529.8	627.6	656.9
107.5°	97.0	346.4	567.2	647.1	676.5
110°	113.3	348.8	588.4	673.2	694.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	128.0	350.5	580.3	700.1	719.6
115°	142.6	352.9	574.6	717.2	740.8
117.5°	158.9	354.5	569.7	700.9	744.1
120°	172.8	357.0	564.0	689.5	726.2
122.5°	186.6	359.4	557.5	678.9	713.9
125°	200.5	361.0	550.9	668.3	702.5
127.5°	212.7	362.7	544.4	656.9	691.1
130°	224.9	367.6	537.1	646.3	679.7
132.5°	235.5	370.8	528.9	633.3	666.7
135°	246.1	370.8	520.0	621.8	653.6
137.5°	257.5	370.8	511.0	607.2	639.0
140°	266.5	369.2	501.2	592.5	623.5
142.5°	276.3	367.6	490.6	577.0	605.5
145°	284.4	364.3	480.0	559.1	586.8
147.5°	292.6	360.2	471.9	541.2	566.4
150°	299.1	356.2	462.1	523.2	545.2
152.5°	305.6	351.3	449.1	506.1	523.2
155°	310.5	348.0	434.4	489.8	503.7
157.5°	316.2	345.6	419.7	471.1	484.9
160°	320.3	342.3	402.6	449.9	462.1
162.5°	324.4	339.9	384.7	427.1	440.1
165°	327.6	338.2	367.6	401.8	412.4
167.5°	330.1	337.4	355.3	376.5	383.9
170°	332.5	336.6	347.2	359.4	361.9
172.5°	334.2	336.6	340.7	346.4	347.2
175°	335.8	337.4	337.4	339.0	338.2
177.5°	335.8	336.6	335.0	335.8	334.2
180°	335.0	335.0	335.0	335.0	335.0

(END OF REPORT)