

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: P275001

Luminaire Tested: **J3-CL-30L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275001
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2469.5 lumens
Efficiency: N/A
Efficacy: 119.3 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

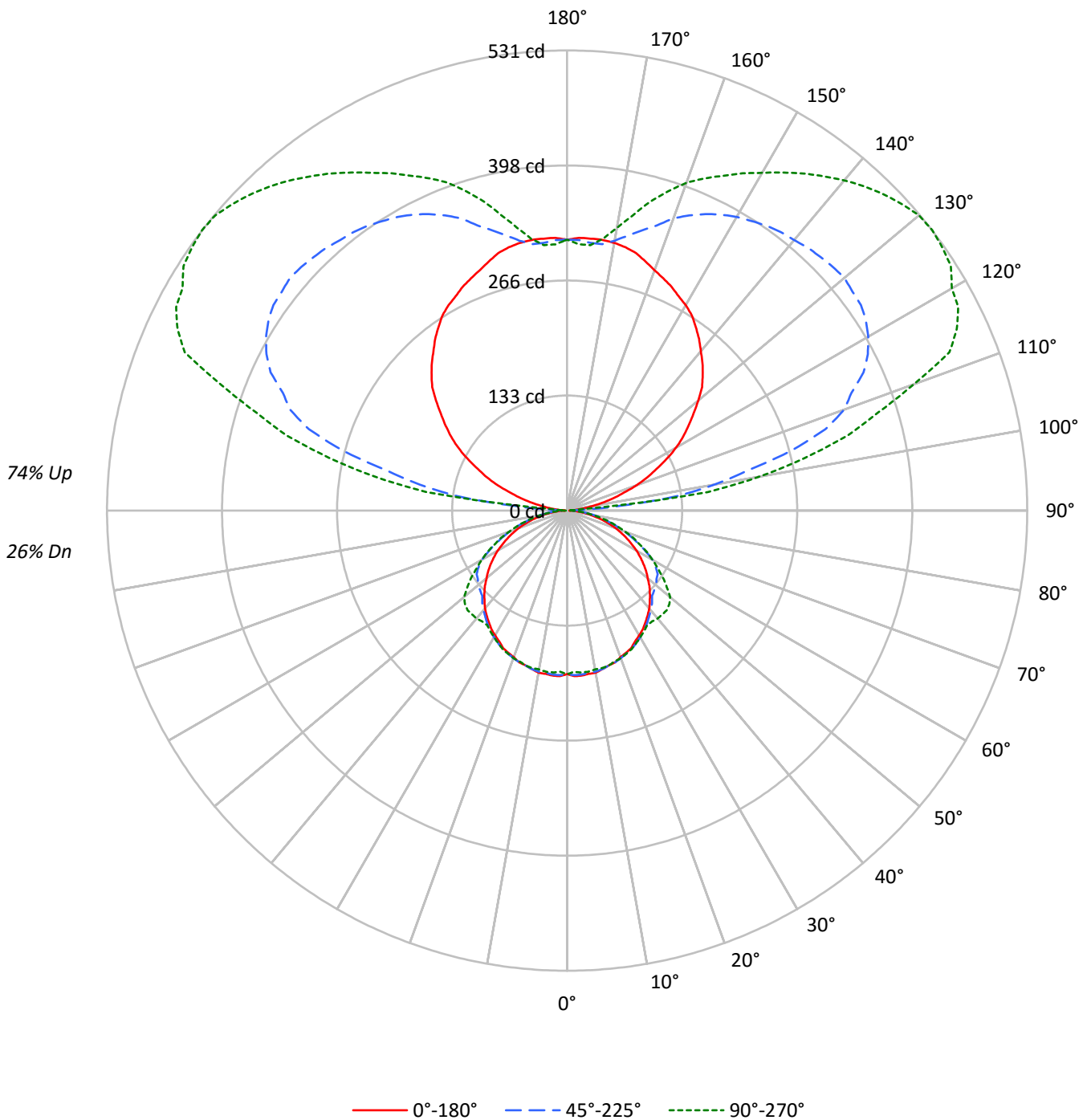
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1523	1523	1523
5°	1549	1540	1519
10°	1558	1547	1526
15°	1546	1546	1546
20°	1546	1557	1557
25°	1559	1570	1570
30°	1549	1573	1573
35°	1552	1577	1589
40°	1554	1581	1713
45°	1541	1584	1855
50°	1522	1679	1947
55°	1513	1795	1900
60°	1493	1836	1836
65°	1456	1742	1767
70°	1416	1652	1681
75°	1326	1560	1597
80°	1218	1511	1450
85°	1158	1621	1389



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.7
10°-20°	52.2	2.1
20°-30°	80.7	3.3
30°-40°	100.1	4.1
40°-50°	112.0	4.5
50°-60°	109.5	4.4
60°-70°	86.4	3.5
70°-80°	52.2	2.1
80°-90°	18.6	0.8
90°-100°	64.1	2.6
100°-110°	248.1	10.0
110°-120°	340.9	13.8
120°-130°	344.9	14.0
130°-140°	305.7	12.4
140°-150°	241.8	9.8
150°-160°	168.8	6.8
160°-170°	95.5	3.9
170°-180°	29.9	1.2
0°-30°	150.9	6.1
0°-40°	251.1	10.2
0°-60°	472.6	19.1
0°-90°	629.8	25.5
90°-120°	653.1	26.4
90°-150°	1545.5	62.6
90°-180°	1840.0	74.5
0°-180°	2469.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	189	189	189	189	189	
5°	191	189	190	189	188	18
15°	185	184	185	185	185	52
25°	175	172	176	176	176	80
35°	158	158	160	161	161	99
45°	135	136	139	156	162	104
55°	108	109	128	135	135	96
65°	76	80	91	92	92	75
75°	42	50	50	51	51	45
85°	12	20	18	16	15	13
90°	2	8	6	1	1	2
95°	10	50	60	12	12	12
105°	55	178	269	310	335	58
115°	114	240	378	468	496	113
125°	171	278	414	504	529	153
135°	221	305	414	495	516	170
145°	259	312	401	460	475	162
155°	285	305	378	419	426	131
165°	308	306	335	364	369	86
175°	315	311	310	310	308	30
180°	312	312	312	312	312	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	188.7	188.7	188.7	188.7	188.7
2.5°	191.2	188.7	190.0	188.7	186.2
5°	191.2	188.7	190.0	188.7	187.5
7.5°	190.0	188.7	188.7	187.5	187.5
10°	190.0	187.5	188.7	187.5	186.2
12.5°	187.5	186.2	187.5	186.2	186.2
15°	185.0	183.7	185.0	185.0	185.0
17.5°	183.7	181.2	183.7	183.7	182.5
20°	180.0	178.7	181.2	181.2	181.2
22.5°	177.5	176.2	178.7	178.7	178.7
25°	175.0	172.5	176.2	176.2	176.2
27.5°	170.0	170.0	172.5	173.7	172.5
30°	166.2	165.0	168.7	170.0	168.7
32.5°	162.5	161.2	165.0	166.2	165.0
35°	157.5	157.5	160.0	161.2	161.2
37.5°	152.5	152.5	155.0	156.2	161.2
40°	147.5	147.5	150.0	157.5	162.5
42.5°	141.2	141.2	145.0	156.2	162.5
45°	135.0	136.2	138.7	156.2	162.5
47.5°	128.7	130.0	136.2	155.0	160.0
50°	121.2	123.7	133.7	151.2	155.0
52.5°	115.0	116.2	130.0	145.0	145.0
55°	107.5	108.7	127.5	135.0	135.0
57.5°	100.0	101.2	121.2	123.7	123.7
60°	92.5	93.7	113.7	113.7	113.7
62.5°	83.7	86.2	102.5	103.7	103.7
65°	76.2	80.0	91.2	92.5	92.5
67.5°	67.5	73.7	81.2	82.5	82.5
70°	60.0	67.5	70.0	71.2	71.2
72.5°	51.2	58.7	60.0	61.2	61.2
75°	42.5	50.0	50.0	51.2	51.2
77.5°	33.7	40.0	41.2	41.2	41.2
80°	26.2	30.0	32.5	31.2	31.2
82.5°	18.7	23.7	23.7	23.7	22.5
85°	12.5	20.0	17.5	16.2	15.0
87.5°	7.5	17.5	10.0	8.7	8.7
90°	2.5	7.5	6.2	1.2	1.2
92.5°	5.0	12.5	6.2	5.0	3.7
95°	10.0	50.0	60.0	12.5	12.5
97.5°	18.7	83.7	128.7	152.5	163.7
100°	28.7	125.0	172.5	211.2	225.0
102.5°	41.2	151.2	212.5	261.2	281.2
105°	55.0	177.5	268.7	310.0	335.0
107.5°	68.7	197.5	312.5	358.7	376.2
110°	85.0	213.7	340.0	420.0	425.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	100.0	226.2	355.0	450.0	477.5
115°	113.7	240.0	377.5	467.5	496.2
117.5°	130.0	250.0	391.2	477.5	508.7
120°	145.0	258.7	401.2	490.0	512.5
122.5°	158.7	268.7	408.7	500.0	525.0
125°	171.2	277.5	413.7	503.7	528.7
127.5°	183.7	285.0	415.0	505.0	531.2
130°	197.5	292.5	417.5	503.7	530.0
132.5°	211.2	300.0	416.2	500.0	523.7
135°	221.2	305.0	413.7	495.0	516.2
137.5°	231.2	308.7	411.2	487.5	507.5
140°	240.0	311.2	407.5	478.7	497.5
142.5°	250.0	312.5	405.0	470.0	486.2
145°	258.7	312.5	401.2	460.0	475.0
147.5°	267.5	311.2	396.2	450.0	462.5
150°	273.7	308.7	391.2	440.0	450.0
152.5°	278.7	306.2	385.0	428.7	438.7
155°	285.0	305.0	377.5	418.7	426.2
157.5°	290.0	305.0	368.7	407.5	415.0
160°	295.0	305.0	358.7	396.2	402.5
162.5°	301.2	305.0	345.0	380.0	386.2
165°	307.5	306.2	335.0	363.7	368.7
167.5°	311.2	306.2	325.0	343.7	348.7
170°	313.7	308.7	316.2	330.0	331.2
172.5°	315.0	311.2	310.0	316.2	316.2
175°	315.0	311.2	310.0	310.0	307.5
177.5°	315.0	312.5	312.5	311.2	307.5
180°	312.5	312.5	312.5	312.5	312.5

(END OF REPORT)