

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: P253477

Luminaire Tested: **J3-CL-30L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253477
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-30L93050-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2451.6 lumens
Efficiency: N/A
Efficacy: 116.2 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

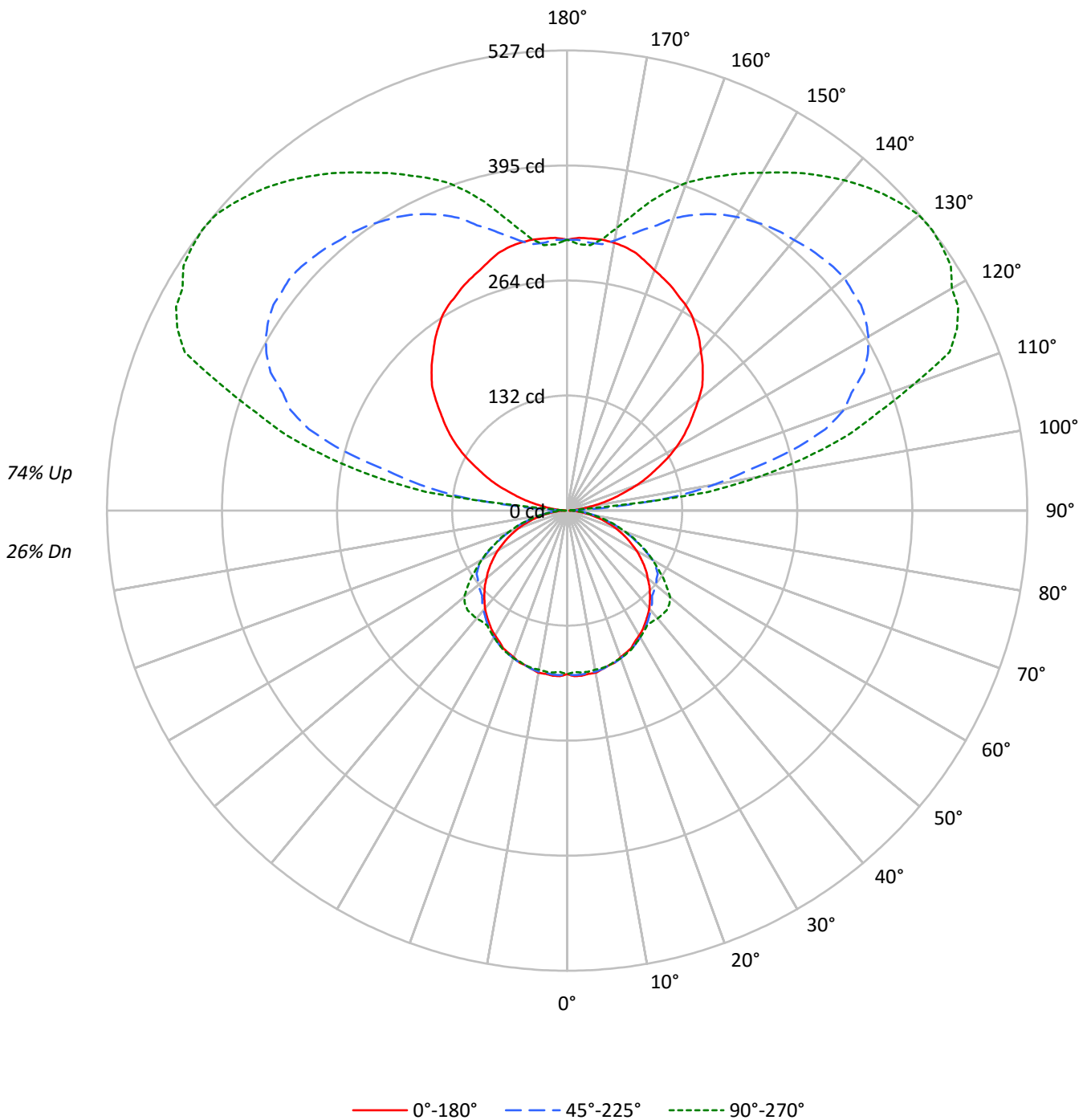
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1513	1513	1513
5°	1538	1528	1508
10°	1546	1536	1516
15°	1534	1534	1534
20°	1535	1546	1546
25°	1547	1559	1559
30°	1538	1561	1561
35°	1540	1565	1578
40°	1543	1569	1700
45°	1530	1572	1842
50°	1512	1668	1933
55°	1502	1782	1886
60°	1482	1823	1823
65°	1446	1731	1754
70°	1407	1640	1669
75°	1316	1547	1588
80°	1213	1502	1441
85°	1149	1612	1380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.9	0.7
10°-20°	51.8	2.1
20°-30°	80.1	3.3
30°-40°	99.4	4.1
40°-50°	111.2	4.5
50°-60°	108.7	4.4
60°-70°	85.7	3.5
70°-80°	51.9	2.1
80°-90°	18.5	0.8
90°-100°	63.7	2.6
100°-110°	246.3	10.0
110°-120°	338.4	13.8
120°-130°	342.4	14.0
130°-140°	303.4	12.4
140°-150°	240.0	9.8
150°-160°	167.6	6.8
160°-170°	94.8	3.9
170°-180°	29.7	1.2
0°-30°	149.9	6.1
0°-40°	249.3	10.2
0°-60°	469.2	19.1
0°-90°	625.3	25.5
90°-120°	648.4	26.4
90°-150°	1534.2	62.6
90°-180°	1826.0	74.5
0°-180°	2451.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	187	187	187	187	187	
5°	190	187	189	187	186	18
15°	184	182	184	184	184	52
25°	174	171	175	175	175	80
35°	156	156	159	160	160	98
45°	134	135	138	155	161	103
55°	107	108	127	134	134	95
65°	76	79	91	92	92	75
75°	42	50	50	51	51	45
85°	12	20	17	16	15	13
90°	2	7	6	1	1	2
95°	10	50	60	12	12	12
105°	55	176	267	308	332	58
115°	113	238	375	464	493	113
125°	170	276	411	500	525	152
135°	220	303	411	491	512	169
145°	257	310	398	457	472	161
155°	283	303	375	416	423	130
165°	305	304	332	361	366	86
175°	313	309	308	308	305	30
180°	310	310	310	310	310	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	187.4	187.4	187.4	187.4	187.4
2.5°	189.8	187.4	188.6	187.4	184.9
5°	189.8	187.4	188.6	187.4	186.1
7.5°	188.6	187.4	187.4	186.1	186.1
10°	188.6	186.1	187.4	186.1	184.9
12.5°	186.1	184.9	186.1	184.9	184.9
15°	183.6	182.4	183.6	183.6	183.6
17.5°	182.4	179.9	182.4	182.4	181.2
20°	178.7	177.4	179.9	179.9	179.9
22.5°	176.2	175.0	177.4	177.4	177.4
25°	173.7	171.2	175.0	175.0	175.0
27.5°	168.7	168.7	171.2	172.5	171.2
30°	165.0	163.8	167.5	168.7	167.5
32.5°	161.3	160.1	163.8	165.0	163.8
35°	156.3	156.3	158.8	160.1	160.1
37.5°	151.4	151.4	153.9	155.1	160.1
40°	146.4	146.4	148.9	156.3	161.3
42.5°	140.2	140.2	143.9	155.1	161.3
45°	134.0	135.2	137.7	155.1	161.3
47.5°	127.8	129.0	135.2	153.9	158.8
50°	120.4	122.8	132.8	150.1	153.9
52.5°	114.2	115.4	129.0	143.9	143.9
55°	106.7	108.0	126.6	134.0	134.0
57.5°	99.3	100.5	120.4	122.8	122.8
60°	91.8	93.1	112.9	112.9	112.9
62.5°	83.1	85.6	101.7	103.0	103.0
65°	75.7	79.4	90.6	91.8	91.8
67.5°	67.0	73.2	80.7	81.9	81.9
70°	59.6	67.0	69.5	70.7	70.7
72.5°	50.9	58.3	59.6	60.8	60.8
75°	42.2	49.6	49.6	50.9	50.9
77.5°	33.5	39.7	40.9	40.9	40.9
80°	26.1	29.8	32.3	31.0	31.0
82.5°	18.6	23.6	23.6	23.6	22.3
85°	12.4	19.9	17.4	16.1	14.9
87.5°	7.4	17.4	9.9	8.7	8.7
90°	2.5	7.4	6.2	1.2	1.2
92.5°	5.0	12.4	6.2	5.0	3.7
95°	9.9	49.6	59.6	12.4	12.4
97.5°	18.6	83.1	127.8	151.4	162.5
100°	28.5	124.1	171.2	209.7	223.3
102.5°	40.9	150.1	210.9	259.3	279.2
105°	54.6	176.2	266.8	307.7	332.5
107.5°	68.2	196.0	310.2	356.1	373.5
110°	84.4	212.2	337.5	416.9	421.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	99.3	224.6	352.4	446.7	474.0
115°	112.9	238.2	374.7	464.1	492.6
117.5°	129.0	248.2	388.4	474.0	505.0
120°	143.9	256.8	398.3	486.4	508.7
122.5°	157.6	266.8	405.7	496.3	521.1
125°	170.0	275.5	410.7	500.0	524.9
127.5°	182.4	282.9	411.9	501.3	527.3
130°	196.0	290.3	414.4	500.0	526.1
132.5°	209.7	297.8	413.2	496.3	519.9
135°	219.6	302.8	410.7	491.4	512.5
137.5°	229.5	306.5	408.2	483.9	503.8
140°	238.2	309.0	404.5	475.2	493.8
142.5°	248.2	310.2	402.0	466.5	482.7
145°	256.8	310.2	398.3	456.6	471.5
147.5°	265.5	309.0	393.3	446.7	459.1
150°	271.7	306.5	388.4	436.8	446.7
152.5°	276.7	304.0	382.2	425.6	435.5
155°	282.9	302.8	374.7	415.7	423.1
157.5°	287.9	302.8	366.0	404.5	411.9
160°	292.8	302.8	356.1	393.3	399.5
162.5°	299.0	302.8	342.5	377.2	383.4
165°	305.2	304.0	332.5	361.1	366.0
167.5°	309.0	304.0	322.6	341.2	346.2
170°	311.4	306.5	313.9	327.6	328.8
172.5°	312.7	309.0	307.7	313.9	313.9
175°	312.7	309.0	307.7	307.7	305.2
177.5°	312.7	310.2	310.2	309.0	305.2
180°	310.2	310.2	310.2	310.2	310.2

(END OF REPORT)