

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: P253419

Luminaire Tested: **J2-WL-30L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-30L93050-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2732.0 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

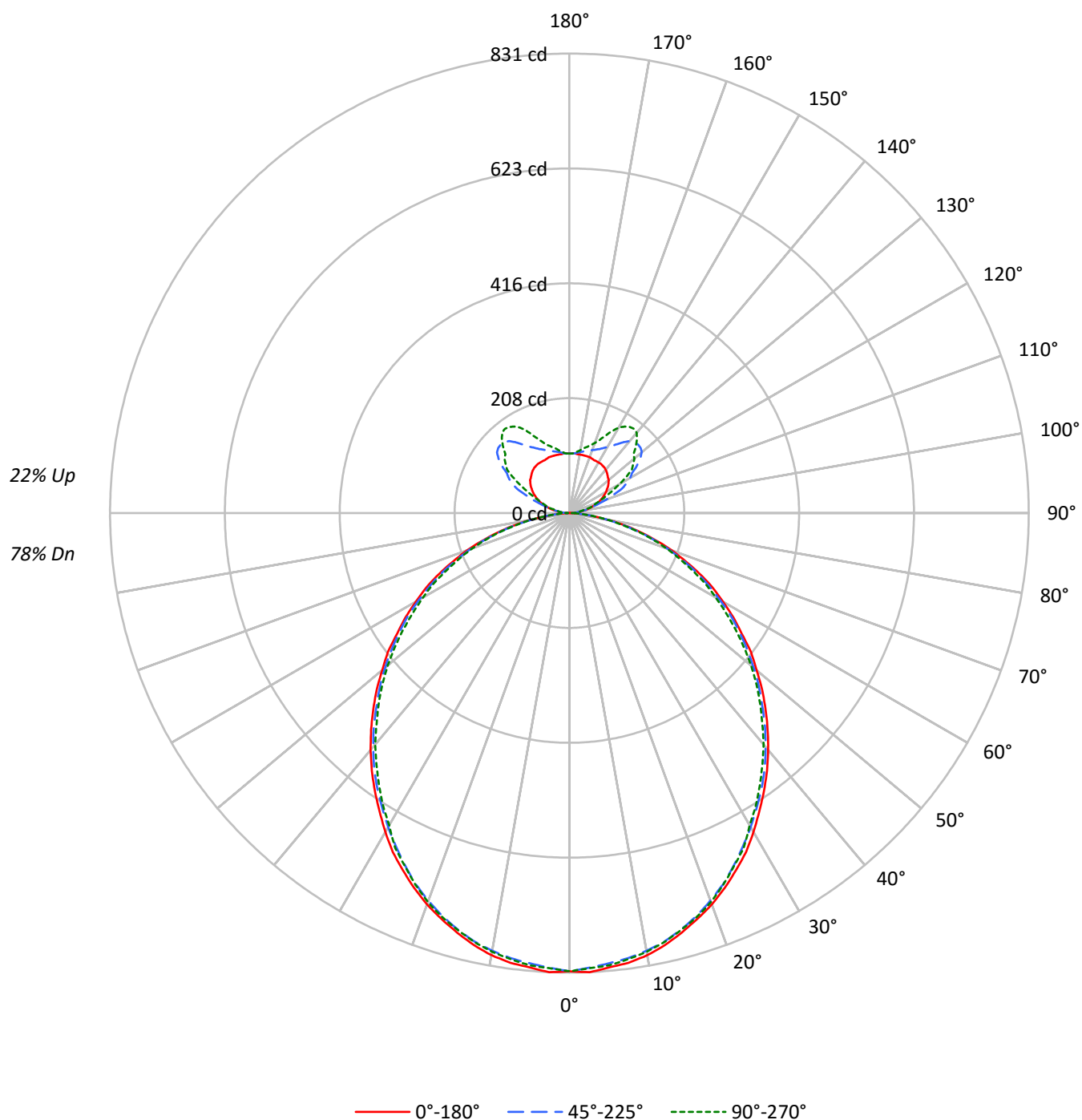
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78		
1	104	100	96	92	99	95	92	89	87	84	82	80	77	75	73	71	70	66		
2	95	87	81	75	90	83	78	73	76	72	68	70	66	63	64	61	59	55		
3	87	77	69	63	82	73	66	61	67	62	57	62	57	53	57	53	50	47		
4	79	68	60	53	75	65	58	52	60	54	49	55	50	46	51	46	43	40		
5	73	61	52	46	69	58	50	45	54	47	42	50	44	40	46	41	37	35		
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	41	37	33	31		
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29	27		
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24		
9	54	41	33	28	52	40	33	28	37	31	26	35	29	25	32	27	24	22		
10	51	38	31	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6688	6688	6688
5°	6684	6625	6654
10°	6656	6588	6603
15°	6563	6517	6525
20°	6471	6407	6431
25°	6349	6267	6275
30°	6207	6113	6079
35°	6047	5974	5920
40°	5895	5817	5759
45°	5726	5631	5568
50°	5549	5468	5387
55°	5353	5288	5158
60°	5176	5071	4939
65°	4965	4842	4684
70°	4640	4487	4402
75°	4127	3983	3955
80°	3329	3245	3245
85°	2038	2214	2214



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	2.9
10°-20°	220.7	8.1
20°-30°	325.4	11.9
30°-40°	379.8	13.9
40°-50°	381.5	14.0
50°-60°	335.7	12.3
60°-70°	250.0	9.2
70°-80°	136.8	5.0
80°-90°	31.1	1.1
90°-100°	15.9	0.6
100°-110°	50.0	1.8
110°-120°	94.0	3.4
120°-130°	118.4	4.3
130°-140°	116.5	4.3
140°-150°	94.2	3.4
150°-160°	60.5	2.2
160°-170°	33.1	1.2
170°-180°	10.5	0.4
0°-30°	624.1	22.8
0°-40°	1003.9	36.7
0°-60°	1721.1	63.0
0°-90°	2139.0	78.3
90°-120°	159.9	5.9
90°-150°	489.0	17.9
90°-180°	593.0	21.7
0°-180°	2732.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	828	828	828	828	828	
5°	825	823	818	824	821	78
15°	785	786	780	784	781	221
25°	713	708	704	705	704	328
35°	614	613	606	602	601	384
45°	502	501	493	488	488	387
55°	380	382	376	369	366	342
65°	260	258	254	247	245	257
75°	132	130	128	128	127	140
85°	22	23	24	25	24	29
90°	1	2	3	4	3	2
95°	15	14	14	15	16	15
105°	41	66	43	42	40	44
115°	66	131	105	79	74	65
125°	85	136	149	138	138	76
135°	97	121	175	176	170	75
145°	105	118	152	184	190	66
155°	106	115	128	146	154	49
165°	108	110	116	121	124	30
175°	108	108	108	110	109	10
180°	108	108	108	108	108	



TEST NUMBER: P253419

CATALOG NUMBER: J2-WL-30L93050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	828.5	828.5	828.5	828.5	828.5
2.5°	831.3	826.7	823.0	827.6	823.9
5°	824.8	823.0	817.5	823.9	821.1
7.5°	820.2	817.5	812.0	817.5	813.8
10°	812.0	810.1	803.7	807.4	805.5
12.5°	800.0	800.0	793.6	797.3	794.5
15°	785.3	786.2	779.8	783.5	780.7
17.5°	769.7	770.6	764.2	767.9	766.0
20°	753.2	750.4	745.8	748.6	748.6
22.5°	733.9	730.2	726.5	726.5	727.5
25°	712.8	708.2	703.6	705.4	704.5
27.5°	691.6	686.1	679.7	682.5	682.5
30°	665.9	662.2	655.8	657.7	652.1
32.5°	639.3	637.4	631.0	630.1	627.3
35°	613.6	612.6	606.2	602.5	600.7
37.5°	586.9	586.9	580.5	576.8	573.2
40°	559.4	557.5	552.0	547.4	546.5
42.5°	530.9	530.0	523.6	518.0	516.2
45°	501.5	500.6	493.2	487.7	487.7
47.5°	473.0	470.3	464.8	458.3	459.3
50°	441.8	441.8	435.4	429.9	428.9
52.5°	414.2	411.5	405.1	401.4	397.7
55°	380.3	382.1	375.7	369.2	366.5
57.5°	351.8	351.8	346.3	338.9	335.3
60°	320.6	320.6	314.1	309.5	305.9
62.5°	292.1	290.2	283.8	278.3	277.4
65°	259.9	258.1	253.5	247.1	245.2
67.5°	226.9	226.0	220.4	216.8	215.9
70°	196.6	193.8	190.1	187.4	186.5
72.5°	164.4	161.7	159.8	157.1	157.1
75°	132.3	130.4	127.7	127.7	126.8
77.5°	102.0	100.1	100.1	98.3	96.4
80°	71.6	72.6	69.8	69.8	69.8
82.5°	45.0	45.9	44.1	44.1	44.1
85°	22.0	23.0	23.9	24.8	23.9
87.5°	6.4	8.3	10.1	11.0	10.1
90°	0.9	1.8	2.8	3.7	2.8
92.5°	7.3	8.3	10.1	11.0	11.0
95°	14.7	13.8	13.8	14.7	15.6
97.5°	21.1	22.0	17.5	18.4	18.4
100°	28.5	34.9	26.6	22.0	22.0
102.5°	34.9	50.5	34.9	30.3	27.6
105°	41.3	66.1	43.2	42.3	39.5
107.5°	47.8	80.8	55.1	45.0	45.0
110°	55.1	98.3	69.8	55.1	51.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	60.6	117.6	86.3	65.2	61.5
115°	66.1	131.3	104.7	79.0	73.5
117.5°	71.6	137.8	116.7	96.4	88.2
120°	76.2	140.5	126.8	113.9	104.7
122.5°	80.8	139.6	134.1	129.5	122.2
125°	85.4	135.9	148.8	137.8	137.8
127.5°	89.1	130.4	161.7	146.0	145.1
130°	92.8	125.8	170.8	150.6	153.4
132.5°	94.6	123.1	174.5	163.5	157.1
135°	97.4	121.2	175.4	176.4	169.9
137.5°	100.1	121.2	173.6	184.6	180.9
140°	102.0	120.3	169.9	188.3	189.2
142.5°	103.8	118.5	161.7	187.4	192.0
145°	104.7	117.6	152.5	183.7	190.1
147.5°	105.6	116.7	144.2	177.3	185.5
150°	105.6	115.7	137.8	168.1	178.2
152.5°	105.6	114.8	132.3	156.1	167.2
155°	105.6	114.8	127.7	146.0	154.3
157.5°	106.5	113.0	124.0	137.8	143.3
160°	107.5	112.1	121.2	131.3	135.0
162.5°	107.5	111.1	118.5	125.8	128.6
165°	107.5	110.2	115.7	121.2	124.0
167.5°	107.5	110.2	113.9	118.5	120.3
170°	107.5	109.3	112.1	114.8	115.7
172.5°	107.5	109.3	110.2	112.1	112.1
175°	108.4	108.4	108.4	110.2	109.3
177.5°	108.4	108.4	107.5	108.4	107.5
180°	107.5	107.5	107.5	107.5	107.5

(END OF REPORT)