

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: P253418

Luminaire Tested: **J2-WL-30L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253418
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2527.5 lumens
Efficiency: N/A
Efficacy: 96.1 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

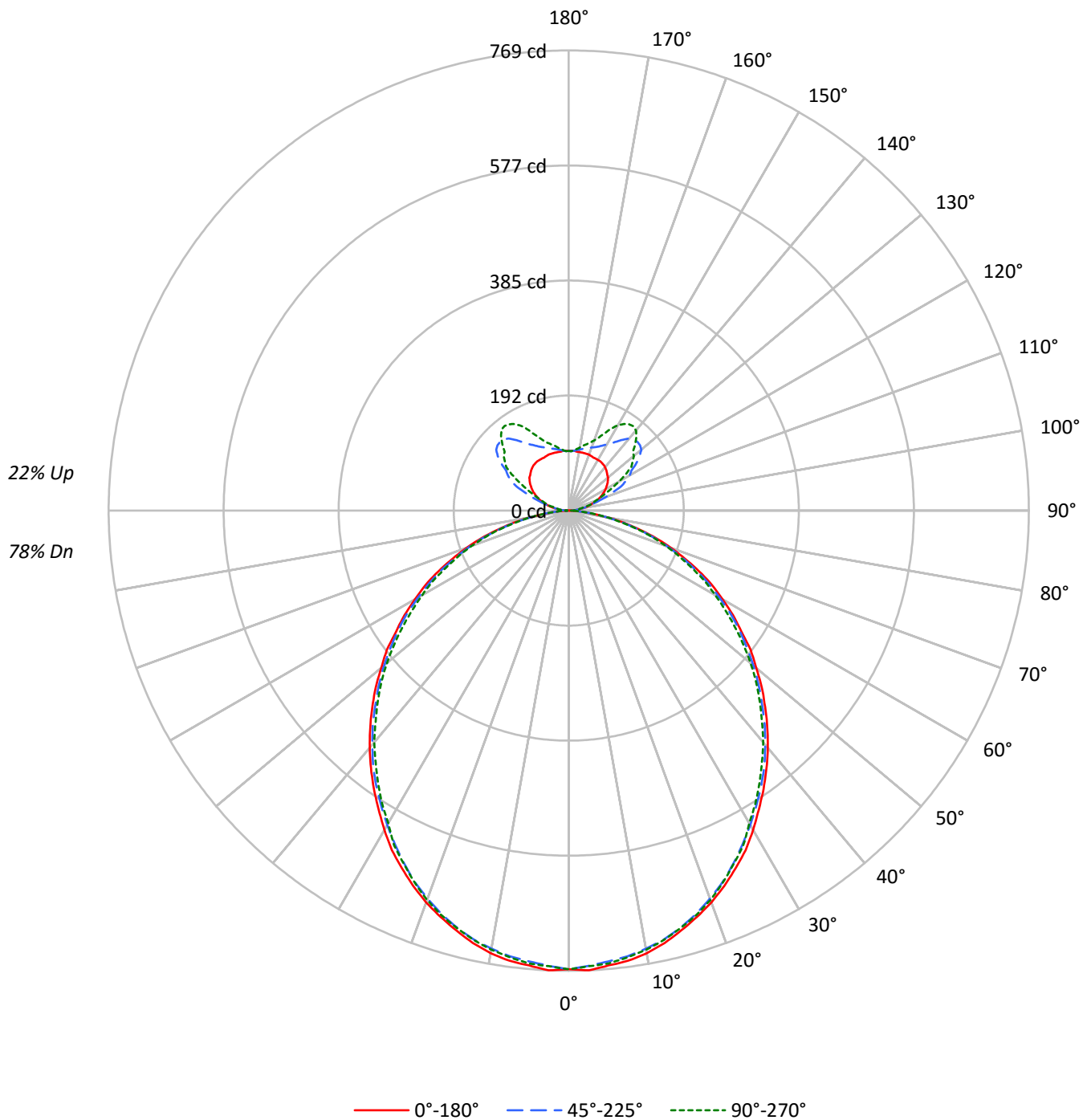
Input Watts (W): 26.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6188	6188	6188
5°	6184	6129	6156
10°	6158	6095	6109
15°	6072	6029	6037
20°	5986	5928	5949
25°	5874	5798	5806
30°	5743	5656	5624
35°	5594	5527	5477
40°	5454	5382	5328
45°	5297	5210	5151
50°	5133	5059	4984
55°	4951	4891	4771
60°	4789	4692	4569
65°	4594	4479	4334
70°	4291	4152	4072
75°	3818	3684	3659
80°	3082	3003	3003
85°	1890	2047	2047



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	2.9
10°-20°	204.2	8.1
20°-30°	301.0	11.9
30°-40°	351.4	13.9
40°-50°	352.9	14.0
50°-60°	310.5	12.3
60°-70°	231.3	9.2
70°-80°	126.5	5.0
80°-90°	28.8	1.1
90°-100°	14.7	0.6
100°-110°	46.3	1.8
110°-120°	87.0	3.4
120°-130°	109.5	4.3
130°-140°	107.8	4.3
140°-150°	87.1	3.4
150°-160°	56.0	2.2
160°-170°	30.6	1.2
170°-180°	9.7	0.4
0°-30°	577.4	22.8
0°-40°	928.8	36.7
0°-60°	1592.2	63.0
0°-90°	1978.8	78.3
90°-120°	147.9	5.9
90°-150°	452.4	17.9
90°-180°	549.0	21.7
0°-180°	2527.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	766	766	766	766	766	
5°	763	761	756	762	760	73
15°	726	727	721	725	722	205
25°	659	655	651	653	652	304
35°	568	567	561	557	556	355
45°	464	463	456	451	451	358
55°	352	354	348	342	339	316
65°	240	239	234	229	227	237
75°	122	121	118	118	117	130
85°	20	21	22	23	22	27
90°	1	2	2	3	2	2
95°	14	13	13	14	14	14
105°	38	61	40	39	36	40
115°	61	122	97	73	68	61
125°	79	126	138	128	128	70
135°	90	112	162	163	157	70
145°	97	109	141	170	176	61
155°	98	106	118	135	143	45
165°	99	102	107	112	115	28
175°	100	100	100	102	101	10
180°	99	99	99	99	99	



TEST NUMBER: P253418

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	766.5	766.5	766.5	766.5	766.5
2.5°	769.0	764.8	761.4	765.6	762.2
5°	763.1	761.4	756.3	762.2	759.7
7.5°	758.8	756.3	751.2	756.3	752.9
10°	751.2	749.5	743.5	746.9	745.2
12.5°	740.1	740.1	734.2	737.6	735.0
15°	726.5	727.4	721.4	724.8	722.3
17.5°	712.1	712.9	707.0	710.4	708.7
20°	696.8	694.2	690.0	692.5	692.5
22.5°	678.9	675.5	672.1	672.1	673.0
25°	659.4	655.2	650.9	652.6	651.8
27.5°	639.9	634.8	628.8	631.4	631.4
30°	616.1	612.7	606.7	608.4	603.3
32.5°	591.4	589.7	583.8	582.9	580.4
35°	567.6	566.8	560.8	557.4	555.7
37.5°	543.0	543.0	537.0	533.6	530.2
40°	517.5	515.8	510.7	506.4	505.6
42.5°	491.2	490.3	484.4	479.3	477.6
45°	464.0	463.1	456.3	451.2	451.2
47.5°	437.6	435.1	430.0	424.0	424.9
50°	408.7	408.7	402.8	397.7	396.8
52.5°	383.2	380.7	374.7	371.3	367.9
55°	351.8	353.5	347.5	341.6	339.0
57.5°	325.5	325.5	320.4	313.6	310.2
60°	296.6	296.6	290.6	286.4	283.0
62.5°	270.2	268.5	262.6	257.5	256.6
65°	240.5	238.8	234.5	228.6	226.9
67.5°	209.9	209.0	203.9	200.5	199.7
70°	181.8	179.3	175.9	173.3	172.5
72.5°	152.1	149.6	147.9	145.3	145.3
75°	122.4	120.7	118.1	118.1	117.3
77.5°	94.3	92.6	92.6	90.9	89.2
80°	66.3	67.1	64.6	64.6	64.6
82.5°	41.6	42.5	40.8	40.8	40.8
85°	20.4	21.2	22.1	22.9	22.1
87.5°	5.9	7.6	9.3	10.2	9.3
90°	0.8	1.7	2.5	3.4	2.5
92.5°	6.8	7.6	9.3	10.2	10.2
95°	13.6	12.7	12.7	13.6	14.4
97.5°	19.5	20.4	16.1	17.0	17.0
100°	26.3	32.3	24.6	20.4	20.4
102.5°	32.3	46.7	32.3	28.0	25.5
105°	38.2	61.2	39.9	39.1	36.5
107.5°	44.2	74.8	51.0	41.6	41.6
110°	51.0	90.9	64.6	51.0	47.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	56.1	108.8	79.9	60.3	56.9
115°	61.2	121.5	96.9	73.1	68.0
117.5°	66.3	127.5	107.9	89.2	81.6
120°	70.5	130.0	117.3	105.4	96.9
122.5°	74.8	129.2	124.1	119.8	113.0
125°	79.0	125.8	137.7	127.5	127.5
127.5°	82.4	120.7	149.6	135.1	134.3
130°	85.8	116.4	158.1	139.4	141.9
132.5°	87.5	113.9	161.5	151.3	145.3
135°	90.1	112.2	162.3	163.2	157.2
137.5°	92.6	112.2	160.6	170.8	167.4
140°	94.3	111.3	157.2	174.2	175.0
142.5°	96.0	109.6	149.6	173.3	177.6
145°	96.9	108.8	141.1	169.9	175.9
147.5°	97.7	107.9	133.4	164.0	171.6
150°	97.7	107.1	127.5	155.5	164.8
152.5°	97.7	106.2	122.4	144.5	154.7
155°	97.7	106.2	118.1	135.1	142.8
157.5°	98.6	104.5	114.7	127.5	132.6
160°	99.4	103.7	112.2	121.5	124.9
162.5°	99.4	102.8	109.6	116.4	119.0
165°	99.4	102.0	107.1	112.2	114.7
167.5°	99.4	102.0	105.4	109.6	111.3
170°	99.4	101.1	103.7	106.2	107.1
172.5°	99.4	101.1	102.0	103.7	103.7
175°	100.3	100.3	100.3	102.0	101.1
177.5°	100.3	100.3	99.4	100.3	99.4
180°	99.4	99.4	99.4	99.4	99.4

(END OF REPORT)