

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: P253417

Luminaire Tested: **J2-WL-30L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253417
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2315.0 lumens
Efficiency: N/A
Efficacy: 87.7 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

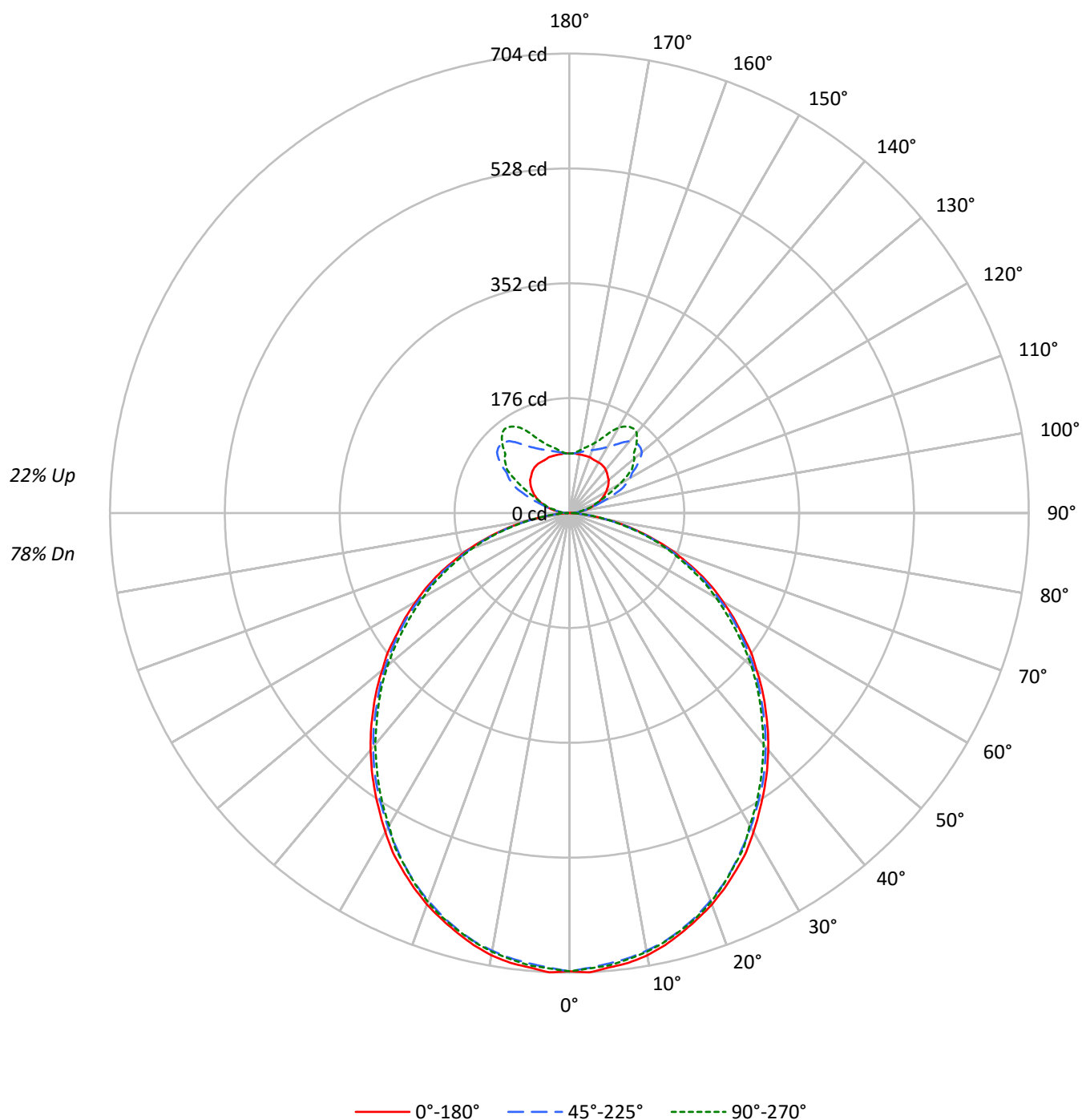
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5667	5667	5667
5°	5664	5613	5639
10°	5640	5582	5596
15°	5562	5523	5529
20°	5483	5430	5449
25°	5380	5311	5318
30°	5260	5180	5151
35°	5124	5063	5016
40°	4995	4930	4880
45°	4852	4772	4719
50°	4702	4633	4565
55°	4535	4480	4370
60°	4385	4298	4185
65°	4208	4103	3969
70°	3932	3803	3729
75°	3497	3375	3350
80°	2822	2752	2752
85°	1732	1871	1871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	2.9
10°-20°	187.0	8.1
20°-30°	275.7	11.9
30°-40°	321.9	13.9
40°-50°	323.3	14.0
50°-60°	284.4	12.3
60°-70°	211.9	9.2
70°-80°	115.9	5.0
80°-90°	26.4	1.1
90°-100°	13.5	0.6
100°-110°	42.4	1.8
110°-120°	79.6	3.4
120°-130°	100.3	4.3
130°-140°	98.7	4.3
140°-150°	79.8	3.4
150°-160°	51.3	2.2
160°-170°	28.0	1.2
170°-180°	8.9	0.4
0°-30°	528.8	22.8
0°-40°	850.7	36.7
0°-60°	1458.4	63.0
0°-90°	1812.5	78.3
90°-120°	135.5	5.9
90°-150°	414.3	17.9
90°-180°	503.0	21.7
0°-180°	2315.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	702	702	702	702	702	
5°	699	697	693	698	696	66
15°	666	666	661	664	662	188
25°	604	600	596	598	597	278
35°	520	519	514	511	509	325
45°	425	424	418	413	413	328
55°	322	324	318	313	310	289
65°	220	219	215	209	208	217
75°	112	110	108	108	107	119
85°	19	20	20	21	20	24
90°	1	2	2	3	2	2
95°	12	12	12	12	13	12
105°	35	56	37	36	34	37
115°	56	111	89	67	62	55
125°	72	115	126	117	117	64
135°	82	103	149	149	144	64
145°	89	100	129	156	161	56
155°	90	97	108	124	131	42
165°	91	93	98	103	105	26
175°	92	92	92	93	93	9
180°	91	91	91	91	91	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	702.0	702.0	702.0	702.0	702.0
2.5°	704.4	700.5	697.4	701.3	698.2
5°	698.9	697.4	692.7	698.2	695.8
7.5°	695.0	692.7	688.0	692.7	689.6
10°	688.0	686.5	681.0	684.1	682.6
12.5°	677.9	677.9	672.5	675.6	673.2
15°	665.5	666.2	660.8	663.9	661.6
17.5°	652.2	653.0	647.6	650.7	649.1
20°	638.2	635.9	632.0	634.3	634.3
22.5°	621.9	618.8	615.7	615.7	616.4
25°	604.0	600.1	596.2	597.7	597.0
27.5°	586.1	581.4	576.0	578.3	578.3
30°	564.3	561.2	555.7	557.3	552.6
32.5°	541.7	540.2	534.7	533.9	531.6
35°	519.9	519.1	513.7	510.6	509.0
37.5°	497.3	497.3	491.9	488.8	485.7
40°	474.0	472.4	467.8	463.9	463.1
42.5°	449.9	449.1	443.6	439.0	437.4
45°	425.0	424.2	418.0	413.3	413.3
47.5°	400.8	398.5	393.8	388.4	389.2
50°	374.4	374.4	368.9	364.3	363.5
52.5°	351.0	348.7	343.2	340.1	337.0
55°	322.2	323.8	318.3	312.9	310.5
57.5°	298.1	298.1	293.4	287.2	284.1
60°	271.6	271.6	266.2	262.3	259.2
62.5°	247.5	245.9	240.5	235.8	235.1
65°	220.3	218.7	214.8	209.4	207.8
67.5°	192.2	191.5	186.8	183.7	182.9
70°	166.6	164.2	161.1	158.8	158.0
72.5°	139.3	137.0	135.4	133.1	133.1
75°	112.1	110.5	108.2	108.2	107.4
77.5°	86.4	84.8	84.8	83.3	81.7
80°	60.7	61.5	59.2	59.2	59.2
82.5°	38.1	38.9	37.4	37.4	37.4
85°	18.7	19.5	20.2	21.0	20.2
87.5°	5.4	7.0	8.6	9.3	8.6
90°	0.8	1.6	2.3	3.1	2.3
92.5°	6.2	7.0	8.6	9.3	9.3
95°	12.5	11.7	11.7	12.5	13.2
97.5°	17.9	18.7	14.8	15.6	15.6
100°	24.1	29.6	22.6	18.7	18.7
102.5°	29.6	42.8	29.6	25.7	23.3
105°	35.0	56.0	36.6	35.8	33.5
107.5°	40.5	68.5	46.7	38.1	38.1
110°	46.7	83.3	59.2	46.7	43.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	51.4	99.6	73.2	55.3	52.1
115°	56.0	111.3	88.7	66.9	62.3
117.5°	60.7	116.7	98.8	81.7	74.7
120°	64.6	119.1	107.4	96.5	88.7
122.5°	68.5	118.3	113.6	109.7	103.5
125°	72.4	115.2	126.1	116.7	116.7
127.5°	75.5	110.5	137.0	123.8	123.0
130°	78.6	106.6	144.8	127.6	130.0
132.5°	80.2	104.3	147.9	138.5	133.1
135°	82.5	102.7	148.7	149.4	144.0
137.5°	84.8	102.7	147.1	156.4	153.3
140°	86.4	102.0	144.0	159.6	160.3
142.5°	88.0	100.4	137.0	158.8	162.7
145°	88.7	99.6	129.2	155.7	161.1
147.5°	89.5	98.8	122.2	150.2	157.2
150°	89.5	98.1	116.7	142.4	151.0
152.5°	89.5	97.3	112.1	132.3	141.7
155°	89.5	97.3	108.2	123.8	130.8
157.5°	90.3	95.7	105.1	116.7	121.4
160°	91.1	95.0	102.7	111.3	114.4
162.5°	91.1	94.2	100.4	106.6	109.0
165°	91.1	93.4	98.1	102.7	105.1
167.5°	91.1	93.4	96.5	100.4	102.0
170°	91.1	92.6	95.0	97.3	98.1
172.5°	91.1	92.6	93.4	95.0	95.0
175°	91.8	91.8	91.8	93.4	92.6
177.5°	91.8	91.8	91.1	91.8	91.1
180°	91.1	91.1	91.1	91.1	91.1

(END OF REPORT)