

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: P274892

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274892
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-30L82765-1D-UNV-W2A-W-4 (5000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3063.6 lumens
Efficiency: N/A
Efficacy: 116.0 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

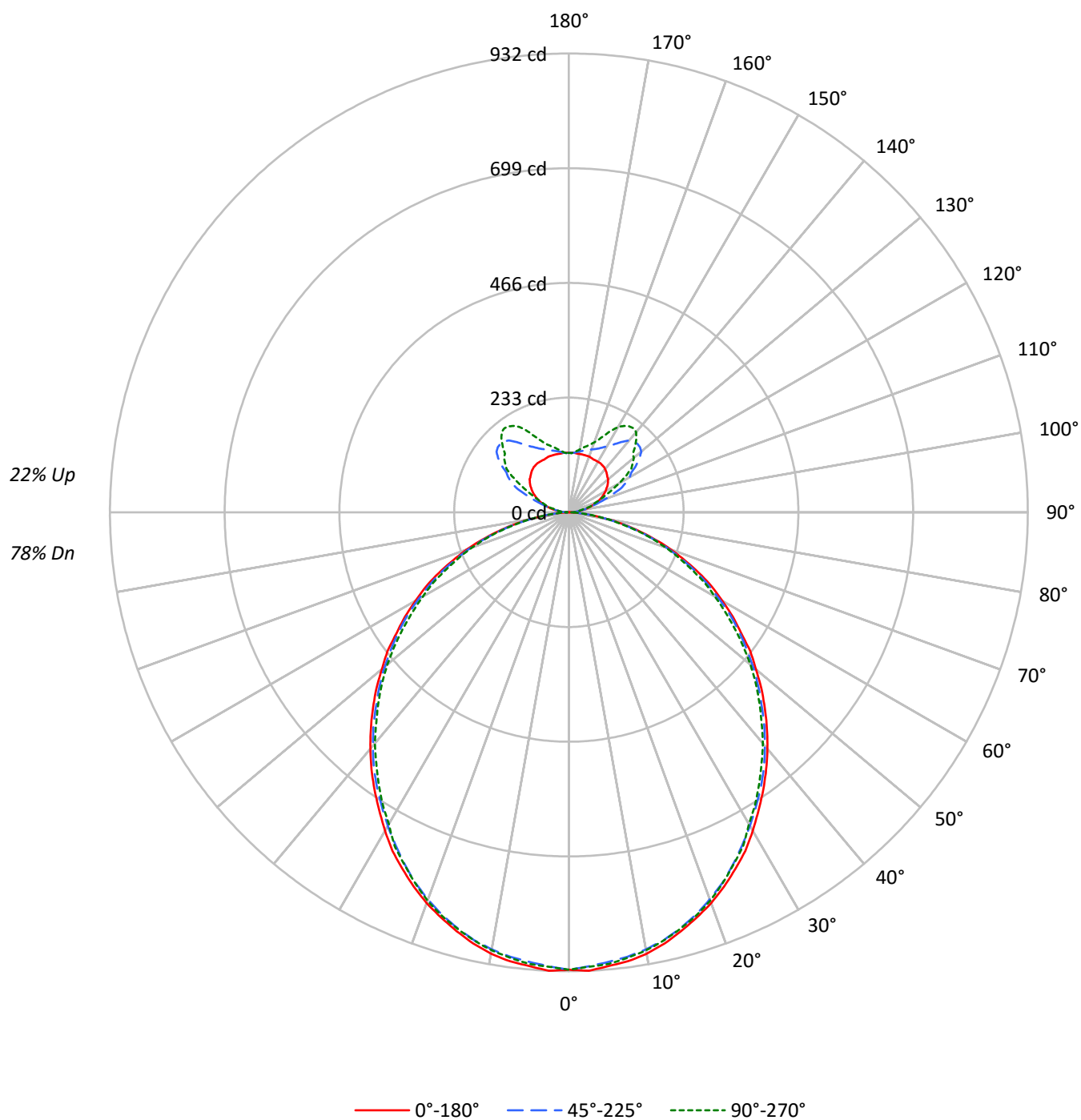
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7501	7501	7501
5°	7495	7429	7462
10°	7464	7388	7405
15°	7360	7309	7317
20°	7256	7186	7211
25°	7120	7028	7037
30°	6961	6855	6817
35°	6780	6700	6638
40°	6611	6523	6458
45°	6421	6315	6244
50°	6222	6131	6041
55°	6001	5930	5785
60°	5804	5688	5538
65°	5568	5431	5253
70°	5202	5032	4936
75°	4626	4467	4432
80°	3733	3640	3640
85°	2288	2482	2482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	2.9
10°-20°	247.5	8.1
20°-30°	364.9	11.9
30°-40°	425.9	13.9
40°-50°	427.8	14.0
50°-60°	376.4	12.3
60°-70°	280.4	9.2
70°-80°	153.3	5.0
80°-90°	34.9	1.1
90°-100°	17.8	0.6
100°-110°	56.1	1.8
110°-120°	105.4	3.4
120°-130°	132.8	4.3
130°-140°	130.7	4.3
140°-150°	105.6	3.4
150°-160°	67.9	2.2
160°-170°	37.1	1.2
170°-180°	11.8	0.4
0°-30°	699.8	22.8
0°-40°	1125.8	36.7
0°-60°	1930.0	63.0
0°-90°	2398.6	78.3
90°-120°	179.3	5.9
90°-150°	548.3	17.9
90°-180°	665.0	21.7
0°-180°	3063.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	929	929	929	929	929	
5°	925	923	917	924	921	88
15°	881	882	874	879	876	248
25°	799	794	789	791	790	368
35°	688	687	680	676	674	430
45°	562	561	553	547	547	434
55°	426	428	421	414	411	383
65°	292	289	284	277	275	288
75°	148	146	143	143	142	157
85°	25	26	27	28	27	32
90°	1	2	3	4	3	2
95°	16	15	15	16	18	16
105°	46	74	48	47	44	49
115°	74	147	117	89	82	73
125°	96	152	167	154	154	85
135°	109	136	197	198	190	84
145°	117	132	171	206	213	74
155°	118	129	143	164	173	55
165°	120	124	130	136	139	34
175°	122	122	122	124	123	12
180°	120	120	120	120	120	



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CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	929.1	929.1	929.1	929.1	929.1
2.5°	932.1	927.0	922.9	928.0	923.9
5°	924.9	922.9	916.7	923.9	920.8
7.5°	919.8	916.7	910.5	916.7	912.6
10°	910.5	908.5	901.2	905.4	903.3
12.5°	897.1	897.1	889.9	894.0	890.9
15°	880.6	881.7	874.5	878.6	875.5
17.5°	863.1	864.2	857.0	861.1	859.0
20°	844.6	841.5	836.4	839.4	839.4
22.5°	823.0	818.8	814.7	814.7	815.8
25°	799.3	794.1	789.0	791.0	790.0
27.5°	775.6	769.4	762.2	765.3	765.3
30°	746.7	742.6	735.4	737.5	731.3
32.5°	716.9	714.8	707.6	706.6	703.5
35°	688.0	687.0	679.8	675.7	673.6
37.5°	658.2	658.2	651.0	646.8	642.7
40°	627.3	625.2	619.0	613.9	612.8
42.5°	595.3	594.3	587.1	580.9	578.9
45°	562.4	561.3	553.1	546.9	546.9
47.5°	530.4	527.4	521.2	514.0	515.0
50°	495.4	495.4	488.2	482.0	481.0
52.5°	464.5	461.4	454.2	450.1	446.0
55°	426.4	428.5	421.3	414.1	411.0
57.5°	394.5	394.5	388.3	380.1	375.9
60°	359.5	359.5	352.3	347.1	343.0
62.5°	327.5	325.5	318.3	312.1	311.1
65°	291.5	289.4	284.3	277.1	275.0
67.5°	254.4	253.4	247.2	243.1	242.0
70°	220.4	217.3	213.2	210.1	209.1
72.5°	184.4	181.3	179.2	176.1	176.1
75°	148.3	146.3	143.2	143.2	142.1
77.5°	114.3	112.3	112.3	110.2	108.1
80°	80.3	81.4	78.3	78.3	78.3
82.5°	50.5	51.5	49.4	49.4	49.4
85°	24.7	25.7	26.8	27.8	26.8
87.5°	7.2	9.3	11.3	12.4	11.3
90°	1.0	2.1	3.1	4.1	3.1
92.5°	8.2	9.3	11.3	12.4	12.4
95°	16.5	15.4	15.4	16.5	17.5
97.5°	23.7	24.7	19.6	20.6	20.6
100°	31.9	39.1	29.9	24.7	24.7
102.5°	39.1	56.6	39.1	34.0	30.9
105°	46.3	74.2	48.4	47.4	44.3
107.5°	53.6	90.6	61.8	50.5	50.5
110°	61.8	110.2	78.3	61.8	57.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	68.0	131.8	96.8	73.1	69.0
115°	74.2	147.3	117.4	88.6	82.4
117.5°	80.3	154.5	130.8	108.1	98.9
120°	85.5	157.6	142.1	127.7	117.4
122.5°	90.6	156.6	150.4	145.2	137.0
125°	95.8	152.4	166.9	154.5	154.5
127.5°	99.9	146.3	181.3	163.8	162.7
130°	104.0	141.1	191.6	168.9	172.0
132.5°	106.1	138.0	195.7	183.3	176.1
135°	109.2	136.0	196.7	197.8	190.5
137.5°	112.3	136.0	194.7	207.0	202.9
140°	114.3	134.9	190.5	211.1	212.2
142.5°	116.4	132.9	181.3	210.1	215.3
145°	117.4	131.8	171.0	206.0	213.2
147.5°	118.4	130.8	161.7	198.8	208.1
150°	118.4	129.8	154.5	188.5	199.8
152.5°	118.4	128.7	148.3	175.1	187.5
155°	118.4	128.7	143.2	163.8	173.0
157.5°	119.5	126.7	139.0	154.5	160.7
160°	120.5	125.7	136.0	147.3	151.4
162.5°	120.5	124.6	132.9	141.1	144.2
165°	120.5	123.6	129.8	136.0	139.0
167.5°	120.5	123.6	127.7	132.9	134.9
170°	120.5	122.6	125.7	128.7	129.8
172.5°	120.5	122.6	123.6	125.7	125.7
175°	121.5	121.5	121.5	123.6	122.6
177.5°	121.5	121.5	120.5	121.5	120.5
180°	120.5	120.5	120.5	120.5	120.5

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