

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: P274907

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274907
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-30L92765-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2694.9 lumens
Efficiency: N/A
Efficacy: 102.5 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

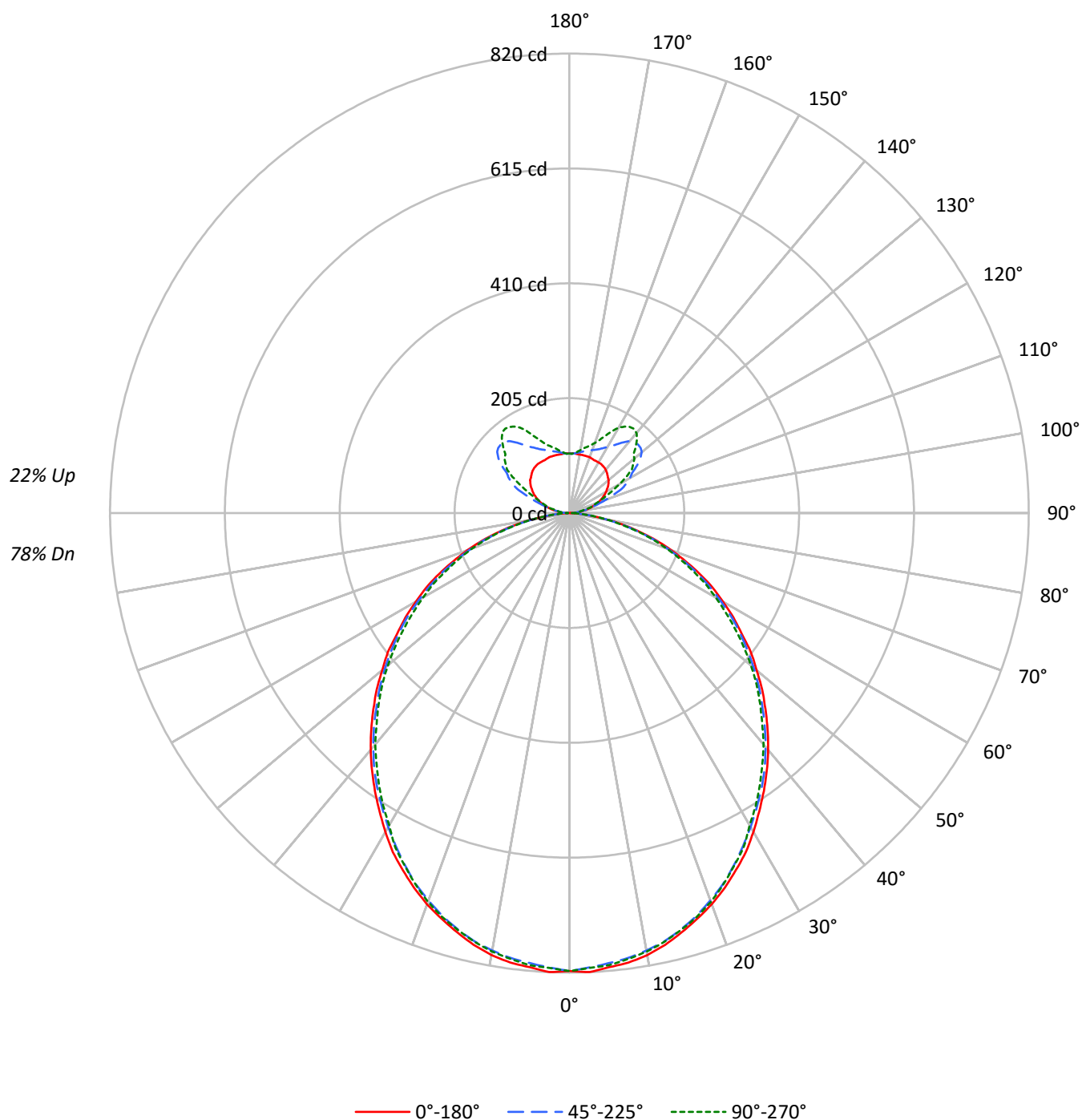
Input Watts (W): 26.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6597	6597	6597
5°	6593	6534	6564
10°	6565	6499	6514
15°	6474	6429	6436
20°	6382	6320	6344
25°	6263	6182	6190
30°	6124	6030	5997
35°	5964	5893	5839
40°	5815	5738	5681
45°	5648	5554	5493
50°	5473	5393	5314
55°	5279	5216	5088
60°	5105	5004	4871
65°	4898	4777	4621
70°	4577	4426	4341
75°	4070	3927	3899
80°	3287	3203	3203
85°	2010	2186	2186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	2.9
10°-20°	217.7	8.1
20°-30°	321.0	11.9
30°-40°	374.7	13.9
40°-50°	376.3	14.0
50°-60°	331.1	12.3
60°-70°	246.6	9.2
70°-80°	134.9	5.0
80°-90°	30.7	1.1
90°-100°	15.6	0.6
100°-110°	49.3	1.8
110°-120°	92.7	3.4
120°-130°	116.8	4.3
130°-140°	114.9	4.3
140°-150°	92.9	3.4
150°-160°	59.7	2.2
160°-170°	32.6	1.2
170°-180°	10.4	0.4
0°-30°	615.6	22.8
0°-40°	990.3	36.7
0°-60°	1697.6	63.0
0°-90°	2109.9	78.3
90°-120°	157.7	5.9
90°-150°	482.3	17.9
90°-180°	585.0	21.7
0°-180°	2694.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	817	817	817	817	817	
5°	814	812	806	813	810	77
15°	775	776	769	773	770	218
25°	703	698	694	696	695	324
35°	605	604	598	594	592	379
45°	495	494	486	481	481	382
55°	375	377	371	364	362	337
65°	256	255	250	244	242	253
75°	130	129	126	126	125	139
85°	22	23	24	24	24	28
90°	1	2	3	4	3	2
95°	14	14	14	14	15	14
105°	41	65	43	42	39	43
115°	65	130	103	78	72	65
125°	84	134	147	136	136	75
135°	96	120	173	174	168	74
145°	103	116	150	181	188	65
155°	104	113	126	144	152	48
165°	106	109	114	120	122	30
175°	107	107	107	109	108	10
180°	106	106	106	106	106	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	817.2	817.2	817.2	817.2	817.2
2.5°	819.9	815.4	811.8	816.3	812.7
5°	813.6	811.8	806.3	812.7	810.0
7.5°	809.1	806.3	800.9	806.3	802.7
10°	800.9	799.1	792.8	796.4	794.6
12.5°	789.1	789.1	782.8	786.4	783.7
15°	774.6	775.5	769.2	772.8	770.1
17.5°	759.2	760.1	753.8	757.4	755.6
20°	742.9	740.2	735.7	738.4	738.4
22.5°	723.9	720.3	716.6	716.6	717.6
25°	703.1	698.5	694.0	695.8	694.9
27.5°	682.2	676.8	670.4	673.2	673.2
30°	656.9	653.2	646.9	648.7	643.3
32.5°	630.6	628.8	622.4	621.5	618.8
35°	605.2	604.3	598.0	594.3	592.5
37.5°	578.9	578.9	572.6	569.0	565.3
40°	551.8	549.9	544.5	540.0	539.1
42.5°	523.7	522.8	516.4	511.0	509.2
45°	494.7	493.8	486.5	481.1	481.1
47.5°	466.6	463.9	458.4	452.1	453.0
50°	435.8	435.8	429.4	424.0	423.1
52.5°	408.6	405.9	399.5	395.9	392.3
55°	375.1	376.9	370.6	364.2	361.5
57.5°	347.0	347.0	341.6	334.3	330.7
60°	316.2	316.2	309.9	305.3	301.7
62.5°	288.1	286.3	280.0	274.5	273.6
65°	256.4	254.6	250.1	243.7	241.9
67.5°	223.8	222.9	217.4	213.8	212.9
70°	193.9	191.2	187.5	184.8	183.9
72.5°	162.2	159.5	157.6	154.9	154.9
75°	130.5	128.7	125.9	125.9	125.0
77.5°	100.6	98.8	98.8	96.9	95.1
80°	70.7	71.6	68.9	68.9	68.9
82.5°	44.4	45.3	43.5	43.5	43.5
85°	21.7	22.7	23.6	24.5	23.6
87.5°	6.3	8.2	10.0	10.9	10.0
90°	0.9	1.8	2.7	3.6	2.7
92.5°	7.2	8.2	10.0	10.9	10.9
95°	14.5	13.6	13.6	14.5	15.4
97.5°	20.8	21.7	17.2	18.1	18.1
100°	28.1	34.4	26.3	21.7	21.7
102.5°	34.4	49.8	34.4	29.9	27.2
105°	40.8	65.2	42.6	41.7	39.0
107.5°	47.1	79.7	54.4	44.4	44.4
110°	54.4	96.9	68.9	54.4	50.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	59.8	116.0	85.2	64.3	60.7
115°	65.2	129.6	103.3	77.9	72.5
117.5°	70.7	135.9	115.1	95.1	87.0
120°	75.2	138.6	125.0	112.3	103.3
122.5°	79.7	137.7	132.3	127.7	120.5
125°	84.3	134.1	146.8	135.9	135.9
127.5°	87.9	128.7	159.5	144.1	143.1
130°	91.5	124.1	168.5	148.6	151.3
132.5°	93.3	121.4	172.1	161.3	154.9
135°	96.0	119.6	173.0	174.0	167.6
137.5°	98.8	119.6	171.2	182.1	178.5
140°	100.6	118.7	167.6	185.7	186.6
142.5°	102.4	116.9	159.5	184.8	189.4
145°	103.3	116.0	150.4	181.2	187.5
147.5°	104.2	115.1	142.2	174.9	183.0
150°	104.2	114.2	135.9	165.8	175.8
152.5°	104.2	113.3	130.5	154.0	164.9
155°	104.2	113.3	125.9	144.1	152.2
157.5°	105.1	111.4	122.3	135.9	141.3
160°	106.0	110.5	119.6	129.6	133.2
162.5°	106.0	109.6	116.9	124.1	126.8
165°	106.0	108.7	114.2	119.6	122.3
167.5°	106.0	108.7	112.3	116.9	118.7
170°	106.0	107.8	110.5	113.3	114.2
172.5°	106.0	107.8	108.7	110.5	110.5
175°	106.9	106.9	106.9	108.7	107.8
177.5°	106.9	106.9	106.0	106.9	106.0
180°	106.0	106.0	106.0	106.0	106.0

(END OF REPORT)