

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: P274908

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274908
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2748.3 lumens
Efficiency: N/A
Efficacy: 104.1 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

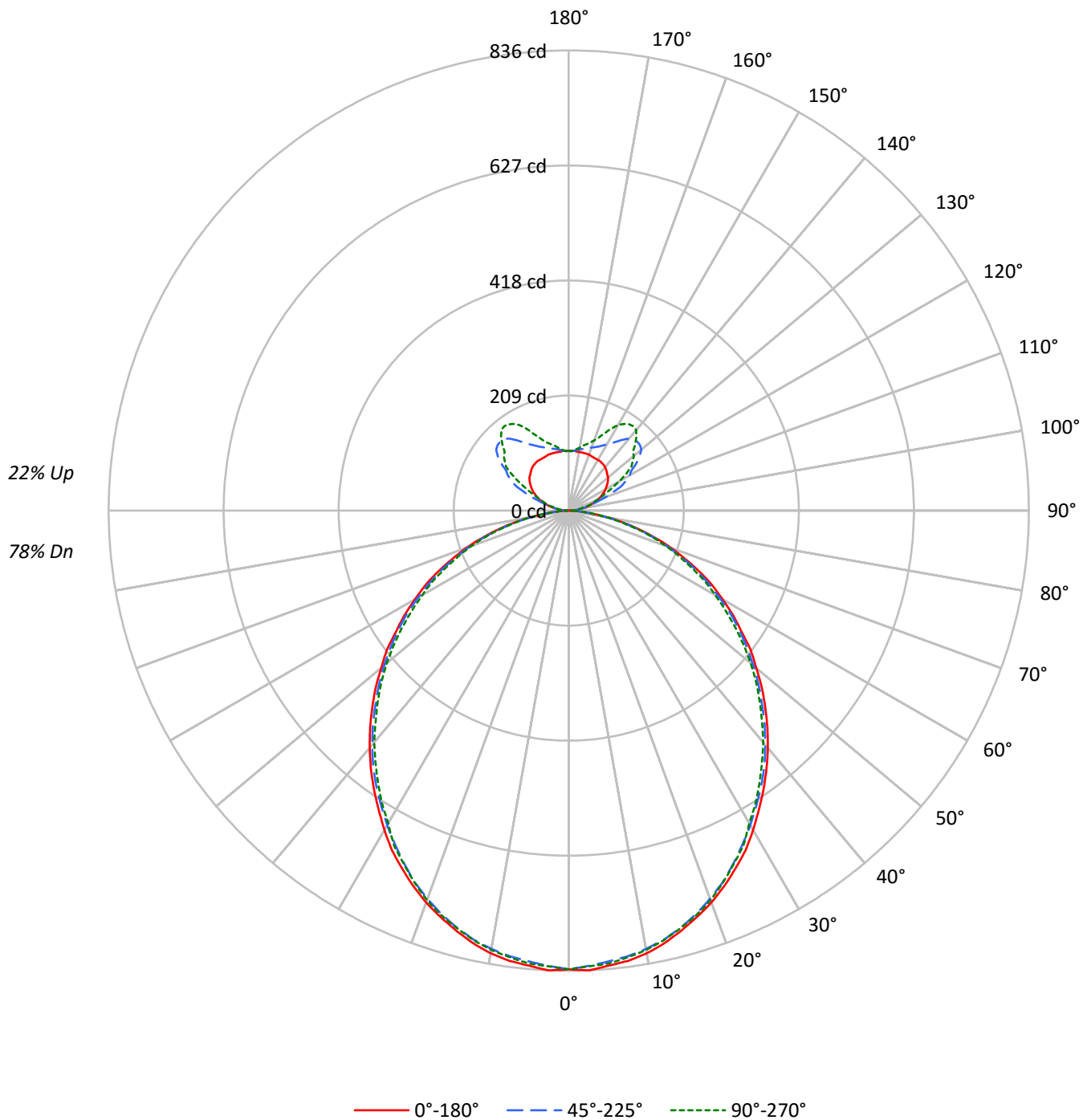
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6728	6728	6728
5°	6725	6665	6695
10°	6696	6628	6642
15°	6603	6557	6564
20°	6509	6446	6470
25°	6387	6305	6313
30°	6245	6150	6115
35°	6083	6010	5956
40°	5930	5852	5794
45°	5760	5665	5601
50°	5581	5501	5419
55°	5384	5319	5189
60°	5207	5102	4968
65°	4995	4871	4713
70°	4666	4515	4428
75°	4152	4005	3977
80°	3352	3264	3264
85°	2056	2223	2223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	2.9
10°-20°	222.0	8.1
20°-30°	327.3	11.9
30°-40°	382.1	13.9
40°-50°	383.8	14.0
50°-60°	337.7	12.3
60°-70°	251.5	9.2
70°-80°	137.6	5.0
80°-90°	31.3	1.1
90°-100°	16.0	0.6
100°-110°	50.3	1.8
110°-120°	94.5	3.4
120°-130°	119.1	4.3
130°-140°	117.2	4.3
140°-150°	94.7	3.4
150°-160°	60.9	2.2
160°-170°	33.3	1.2
170°-180°	10.6	0.4
0°-30°	627.8	22.8
0°-40°	1009.9	36.7
0°-60°	1731.4	63.0
0°-90°	2151.7	78.3
90°-120°	160.8	5.9
90°-150°	491.9	17.9
90°-180°	597.0	21.7
0°-180°	2748.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	833	833	833	833	833	
5°	830	828	822	829	826	79
15°	790	791	784	788	785	223
25°	717	712	708	710	709	330
35°	617	616	610	606	604	386
45°	504	504	496	491	491	389
55°	382	384	378	371	369	344
65°	262	260	255	249	247	258
75°	133	131	128	128	128	141
85°	22	23	24	25	24	29
90°	1	2	3	4	3	2
95°	15	14	14	15	16	15
105°	42	66	43	42	40	44
115°	66	132	105	80	74	66
125°	86	137	150	139	139	77
135°	98	122	176	177	171	76
145°	105	118	153	185	191	66
155°	106	116	128	147	155	49
165°	108	111	116	122	125	31
175°	109	109	109	111	110	10
180°	108	108	108	108	108	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	833.4	833.4	833.4	833.4	833.4
2.5°	836.2	831.6	827.9	832.5	828.8
5°	829.8	827.9	822.4	828.8	826.1
7.5°	825.1	822.4	816.8	822.4	818.7
10°	816.8	815.0	808.5	812.2	810.3
12.5°	804.8	804.8	798.3	802.0	799.3
15°	790.0	790.9	784.5	788.2	785.4
17.5°	774.3	775.2	768.8	772.5	770.6
20°	757.7	754.9	750.3	753.1	753.1
22.5°	738.3	734.6	730.9	730.9	731.8
25°	717.0	712.4	707.8	709.6	708.7
27.5°	695.8	690.2	683.8	686.5	686.5
30°	669.9	666.2	659.7	661.6	656.0
32.5°	643.1	641.3	634.8	633.9	631.1
35°	617.2	616.3	609.8	606.1	604.3
37.5°	590.4	590.4	584.0	580.3	576.6
40°	562.7	560.9	555.3	550.7	549.8
42.5°	534.1	533.1	526.7	521.1	519.3
45°	504.5	503.6	496.2	490.6	490.6
47.5°	475.9	473.1	467.5	461.1	462.0
50°	444.4	444.4	438.0	432.4	431.5
52.5°	416.7	414.0	407.5	403.8	400.1
55°	382.5	384.4	377.9	371.4	368.7
57.5°	353.9	353.9	348.3	341.0	337.3
60°	322.5	322.5	316.0	311.4	307.7
62.5°	293.8	292.0	285.5	280.0	279.0
65°	261.5	259.6	255.0	248.6	246.7
67.5°	228.2	227.3	221.8	218.1	217.1
70°	197.7	195.0	191.3	188.5	187.6
72.5°	165.4	162.6	160.8	158.0	158.0
75°	133.1	131.2	128.4	128.4	127.5
77.5°	102.6	100.7	100.7	98.9	97.0
80°	72.1	73.0	70.2	70.2	70.2
82.5°	45.3	46.2	44.4	44.4	44.4
85°	22.2	23.1	24.0	24.9	24.0
87.5°	6.5	8.3	10.2	11.1	10.2
90°	0.9	1.8	2.8	3.7	2.8
92.5°	7.4	8.3	10.2	11.1	11.1
95°	14.8	13.9	13.9	14.8	15.7
97.5°	21.3	22.2	17.6	18.5	18.5
100°	28.6	35.1	26.8	22.2	22.2
102.5°	35.1	50.8	35.1	30.5	27.7
105°	41.6	66.5	43.4	42.5	39.7
107.5°	48.0	81.3	55.4	45.3	45.3
110°	55.4	98.9	70.2	55.4	51.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	61.0	118.3	86.9	65.6	61.9
115°	66.5	132.1	105.3	79.5	73.9
117.5°	72.1	138.6	117.3	97.0	88.7
120°	76.7	141.4	127.5	114.6	105.3
122.5°	81.3	140.4	134.9	130.3	122.9
125°	85.9	136.8	149.7	138.6	138.6
127.5°	89.6	131.2	162.6	146.9	146.0
130°	93.3	126.6	171.9	151.5	154.3
132.5°	95.2	123.8	175.6	164.5	158.0
135°	97.9	122.0	176.5	177.4	170.9
137.5°	100.7	122.0	174.6	185.7	182.0
140°	102.6	121.0	170.9	189.4	190.3
142.5°	104.4	119.2	162.6	188.5	193.1
145°	105.3	118.3	153.4	184.8	191.3
147.5°	106.3	117.3	145.1	178.3	186.6
150°	106.3	116.4	138.6	169.1	179.3
152.5°	106.3	115.5	133.1	157.1	168.2
155°	106.3	115.5	128.4	146.9	155.2
157.5°	107.2	113.7	124.7	138.6	144.1
160°	108.1	112.7	122.0	132.1	135.8
162.5°	108.1	111.8	119.2	126.6	129.4
165°	108.1	110.9	116.4	122.0	124.7
167.5°	108.1	110.9	114.6	119.2	121.0
170°	108.1	110.0	112.7	115.5	116.4
172.5°	108.1	110.0	110.9	112.7	112.7
175°	109.0	109.0	109.0	110.9	110.0
177.5°	109.0	109.0	108.1	109.0	108.1
180°	108.1	108.1	108.1	108.1	108.1

(END OF REPORT)