

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: P274881

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-DLED-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274881
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-6)
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-DLED-W-4 (3500K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2675.5 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

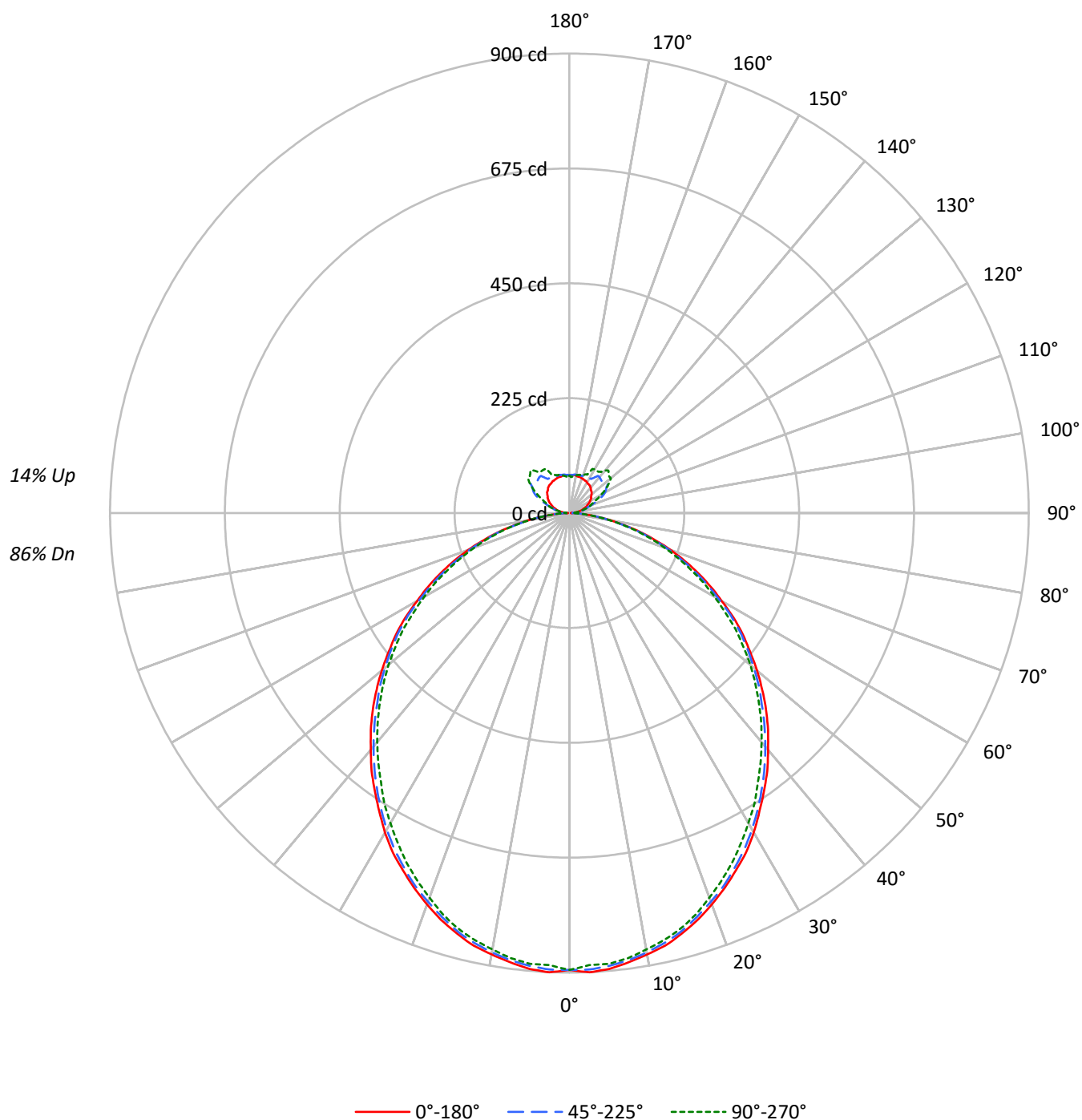
Input Watts (W): 25.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90
1	106	101	97	94	102	98	94	91	91	88	85	85	83	80	79	77	76
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64
3	88	78	70	64	85	75	68	62	71	65	60	66	61	57	62	58	54
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	50	45	41
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36
7	64	51	42	36	61	49	41	36	46	39	34	44	38	33	41	36	32
8	59	46	38	32	57	45	37	32	42	36	31	40	34	30	38	33	29
9	55	42	34	29	53	41	34	29	39	32	28	37	31	27	35	30	26
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	27	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7224	7224	7224
5°	7263	7216	7182
10°	7196	7161	7115
15°	7124	7089	7041
20°	7008	6960	6887
25°	6877	6826	6725
30°	6736	6670	6538
35°	6551	6482	6343
40°	6380	6291	6172
45°	6220	6091	5994
50°	6026	5920	5814
55°	5840	5761	5602
60°	5561	5469	5309
65°	5310	5177	5014
70°	4964	4829	4664
75°	4492	4401	4270
80°	3808	3738	3673
85°	2871	3010	2871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	3.2
10°-20°	238.1	8.9
20°-30°	351.2	13.1
30°-40°	409.4	15.3
40°-50°	411.6	15.4
50°-60°	362.5	13.5
60°-70°	267.6	10.0
70°-80°	148.2	5.5
80°-90°	38.6	1.4
90°-100°	13.7	0.5
100°-110°	35.4	1.3
110°-120°	57.4	2.1
120°-130°	71.7	2.7
130°-140°	67.4	2.5
140°-150°	53.1	2.0
150°-160°	36.6	1.4
160°-170°	21.6	0.8
170°-180°	7.1	0.3
0°-30°	673.7	25.2
0°-40°	1083.0	40.5
0°-60°	1857.1	69.4
0°-90°	2311.4	86.4
90°-120°	106.5	4.0
90°-150°	298.8	11.2
90°-180°	364.0	13.6
0°-180°	2675.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	895	895	895	895	895	
5°	896	886	890	888	886	85
15°	852	844	848	844	842	240
25°	772	765	766	756	755	356
35°	665	659	658	646	644	416
45°	545	539	534	526	525	420
55°	415	411	409	401	398	370
65°	278	275	271	265	262	275
75°	144	142	141	137	137	152
85°	31	32	32	31	31	36
90°	3	6	6	6	6	3
95°	10	11	13	13	13	10
105°	27	37	32	35	32	28
115°	40	64	65	56	55	40
125°	52	72	89	92	90	46
135°	61	68	89	110	109	47
145°	68	71	85	97	99	42
155°	71	73	78	83	83	33
165°	73	73	78	79	78	21
175°	75	75	75	75	72	7
180°	73	73	73	73	73	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	894.8	894.8	894.8	894.8	894.8
2.5°	900.4	890.5	894.8	891.9	886.3
5°	896.2	886.3	890.5	887.7	886.3
7.5°	887.7	879.2	883.5	880.7	879.2
10°	877.8	869.4	873.6	869.4	868.0
12.5°	868.0	858.1	862.3	856.7	856.7
15°	852.4	844.0	848.2	844.0	842.5
17.5°	835.5	827.0	829.8	825.6	824.2
20°	815.7	807.3	810.1	804.4	801.6
22.5°	794.6	787.5	790.3	780.5	779.0
25°	772.0	764.9	766.3	756.5	755.0
27.5°	749.4	739.5	742.3	731.1	728.2
30°	722.6	714.1	715.5	704.2	701.4
32.5°	693.0	687.3	687.3	676.0	674.6
35°	664.7	659.1	657.7	646.4	643.6
37.5°	636.5	629.4	628.0	615.3	615.3
40°	605.4	599.8	597.0	587.1	585.7
42.5°	575.8	568.8	565.9	556.1	556.1
45°	544.8	539.1	533.5	526.4	525.0
47.5°	512.3	506.7	503.8	495.4	494.0
50°	479.8	475.6	471.4	464.3	462.9
52.5°	446.0	443.1	440.3	433.3	429.0
55°	414.9	410.7	409.3	400.8	398.0
57.5°	381.1	376.8	375.4	365.5	361.3
60°	344.4	340.1	338.7	330.2	328.8
62.5°	311.9	307.7	304.8	299.2	296.4
65°	278.0	275.2	271.0	265.3	262.5
67.5°	244.2	241.3	237.1	232.9	230.0
70°	210.3	207.5	204.6	199.0	197.6
72.5°	176.4	173.6	170.8	167.9	167.9
75°	144.0	142.5	141.1	136.9	136.9
77.5°	111.5	110.1	108.7	107.3	107.3
80°	81.9	81.9	80.4	79.0	79.0
82.5°	55.0	55.0	55.0	53.6	53.6
85°	31.0	32.5	32.5	31.0	31.0
87.5°	12.7	12.7	12.7	12.7	12.7
90°	2.8	5.6	5.6	5.6	5.6
92.5°	5.6	7.1	8.5	9.9	8.5
95°	9.9	11.3	12.7	12.7	12.7
97.5°	15.5	16.9	16.9	16.9	16.9
100°	19.8	22.6	21.2	22.6	21.2
102.5°	24.0	29.6	29.6	26.8	26.8
105°	26.8	36.7	32.5	35.3	32.5
107.5°	29.6	45.2	38.1	39.5	40.9
110°	33.9	50.8	46.6	42.3	43.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	36.7	62.1	55.0	49.4	48.0
115°	39.5	63.5	64.9	56.5	55.0
117.5°	43.8	63.5	73.4	66.3	63.5
120°	46.6	67.7	80.4	74.8	72.0
122.5°	49.4	70.6	84.7	84.7	81.9
125°	52.2	72.0	88.9	91.7	90.3
127.5°	53.6	67.7	96.0	100.2	98.8
130°	56.5	64.9	94.6	101.6	105.8
132.5°	59.3	66.3	91.7	103.0	105.8
135°	60.7	67.7	88.9	110.1	108.7
137.5°	62.1	69.2	90.3	105.8	112.9
140°	64.9	69.2	91.7	100.2	108.7
142.5°	66.3	70.6	91.7	96.0	101.6
145°	67.7	70.6	84.7	97.4	98.8
147.5°	67.7	72.0	79.0	98.8	98.8
150°	69.2	72.0	79.0	98.8	98.8
152.5°	70.6	73.4	77.6	86.1	97.4
155°	70.6	73.4	77.6	83.3	83.3
157.5°	72.0	73.4	77.6	81.9	81.9
160°	72.0	73.4	77.6	80.4	79.0
162.5°	73.4	73.4	76.2	79.0	77.6
165°	73.4	73.4	77.6	79.0	77.6
167.5°	73.4	74.8	76.2	77.6	76.2
170°	74.8	74.8	76.2	76.2	74.8
172.5°	74.8	74.8	76.2	74.8	73.4
175°	74.8	74.8	74.8	74.8	72.0
177.5°	74.8	73.4	74.8	73.4	70.6
180°	73.4	73.4	73.4	73.4	73.4

(END OF REPORT)