

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: P274895

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274895
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-30L92765-1D-UNV-W2A-DLED-W-4 (2700K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2147.1 lumens
Efficiency: N/A
Efficacy: 83.5 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

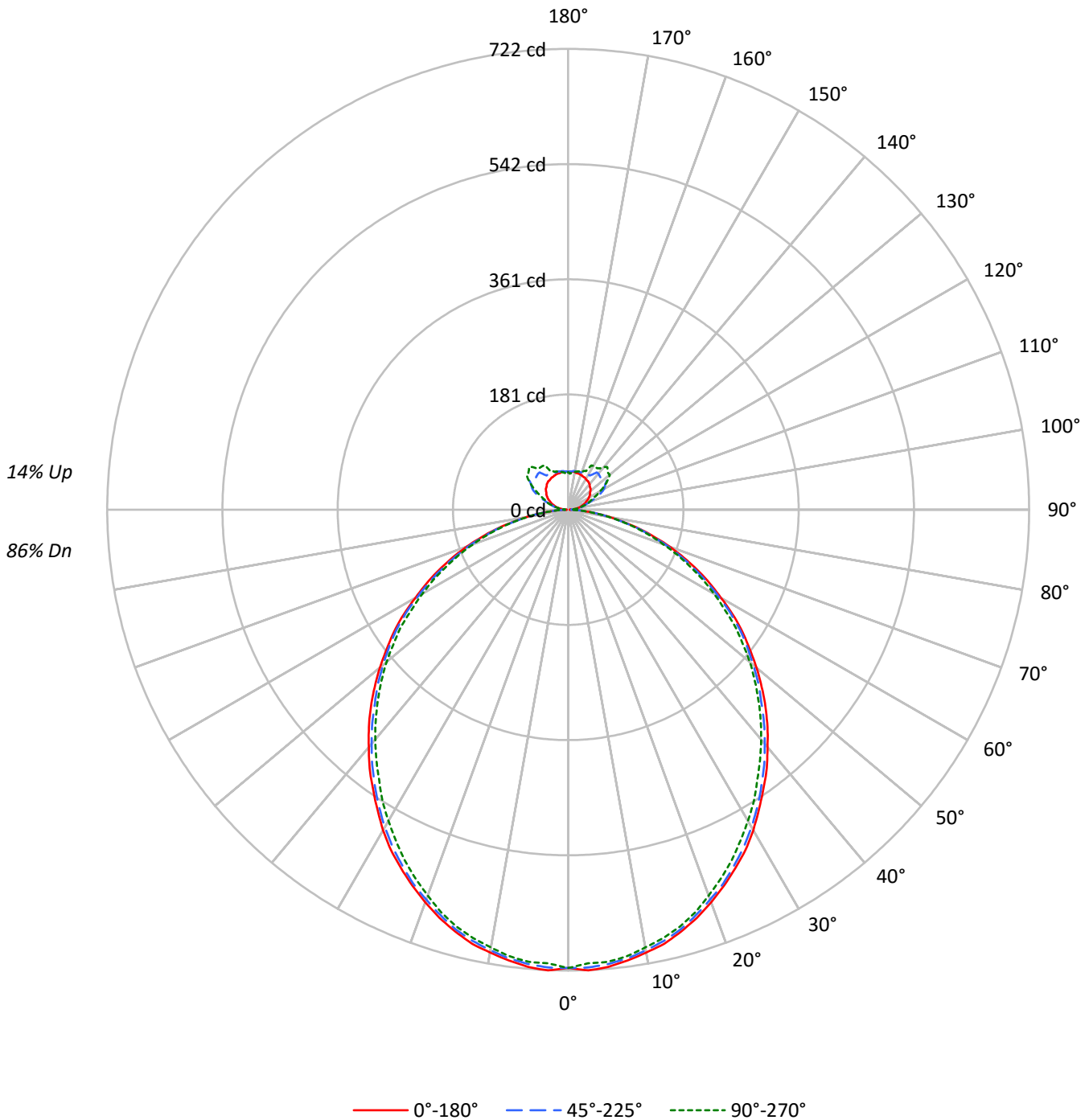
Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	86
1	106	101	97	94	102	98	94	91	91	88	85	85	83	80	79	77	76	73
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64	61
3	88	78	70	64	85	75	68	62	71	65	60	66	61	57	62	58	54	52
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47	44
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	50	45	41	38
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	34
7	64	51	42	36	61	49	41	36	46	39	34	44	38	33	41	36	32	30
8	59	46	38	32	57	45	37	32	42	36	31	40	34	30	38	33	29	27
9	55	42	34	29	53	41	34	29	39	32	28	37	31	27	35	30	26	24
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	27	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5796	5796	5796
5°	5827	5791	5763
10°	5774	5746	5710
15°	5717	5688	5651
20°	5624	5585	5527
25°	5518	5478	5397
30°	5405	5353	5247
35°	5257	5202	5089
40°	5120	5049	4953
45°	4990	4888	4810
50°	4837	4751	4666
55°	4687	4622	4495
60°	4461	4388	4261
65°	4262	4153	4023
70°	3982	3876	3744
75°	3603	3534	3428
80°	3054	3003	2947
85°	2306	2408	2306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	3.2
10°-20°	191.1	8.9
20°-30°	281.8	13.1
30°-40°	328.5	15.3
40°-50°	330.3	15.4
50°-60°	290.9	13.5
60°-70°	214.7	10.0
70°-80°	119.0	5.5
80°-90°	31.0	1.4
90°-100°	11.0	0.5
100°-110°	28.4	1.3
110°-120°	46.1	2.1
120°-130°	57.6	2.7
130°-140°	54.1	2.5
140°-150°	42.6	2.0
150°-160°	29.4	1.4
160°-170°	17.3	0.8
170°-180°	5.7	0.3
0°-30°	540.6	25.2
0°-40°	869.1	40.5
0°-60°	1490.2	69.4
0°-90°	1854.9	86.4
90°-120°	85.5	4.0
90°-150°	239.8	11.2
90°-180°	292.0	13.6
0°-180°	2147.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	718	718	718	718	718	
5°	719	711	715	712	711	68
15°	684	677	681	677	676	193
25°	620	614	615	607	606	285
35°	533	529	528	519	516	334
45°	437	433	428	422	421	337
55°	333	330	328	322	319	297
65°	223	221	217	213	211	221
75°	116	114	113	110	110	122
85°	25	26	26	25	25	29
90°	2	4	4	4	4	3
95°	8	9	10	10	10	8
105°	22	29	26	28	26	23
115°	32	51	52	45	44	32
125°	42	58	71	74	72	37
135°	49	54	71	88	87	38
145°	54	57	68	78	79	34
155°	57	59	62	67	67	26
165°	59	59	62	63	62	17
175°	60	60	60	60	58	6
180°	59	59	59	59	59	



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CATALOG NUMBER: J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	718.0	718.0	718.0	718.0	718.0
2.5°	722.5	714.6	718.0	715.7	711.2
5°	719.1	711.2	714.6	712.4	711.2
7.5°	712.4	705.6	709.0	706.7	705.6
10°	704.4	697.6	701.0	697.6	696.5
12.5°	696.5	688.6	692.0	687.4	687.4
15°	684.0	677.2	680.6	677.2	676.1
17.5°	670.4	663.7	665.9	662.5	661.4
20°	654.6	647.8	650.1	645.5	643.3
22.5°	637.6	631.9	634.2	626.3	625.1
25°	619.5	613.8	615.0	607.0	605.9
27.5°	601.4	593.4	595.7	586.6	584.4
30°	579.8	573.1	574.2	565.1	562.9
32.5°	556.1	551.5	551.5	542.5	541.3
35°	533.4	528.9	527.8	518.7	516.4
37.5°	510.8	505.1	504.0	493.8	493.8
40°	485.8	481.3	479.1	471.1	470.0
42.5°	462.1	456.4	454.1	446.2	446.2
45°	437.1	432.6	428.1	422.4	421.3
47.5°	411.1	406.6	404.3	397.5	396.4
50°	385.1	381.7	378.3	372.6	371.5
52.5°	357.9	355.6	353.3	347.7	344.3
55°	333.0	329.6	328.4	321.6	319.4
57.5°	305.8	302.4	301.2	293.3	289.9
60°	276.3	272.9	271.8	265.0	263.9
62.5°	250.3	246.9	244.6	240.1	237.8
65°	223.1	220.8	217.4	212.9	210.6
67.5°	195.9	193.7	190.3	186.9	184.6
70°	168.7	166.5	164.2	159.7	158.6
72.5°	141.6	139.3	137.0	134.8	134.8
75°	115.5	114.4	113.3	109.9	109.9
77.5°	89.5	88.3	87.2	86.1	86.1
80°	65.7	65.7	64.6	63.4	63.4
82.5°	44.2	44.2	44.2	43.0	43.0
85°	24.9	26.0	26.0	24.9	24.9
87.5°	10.2	10.2	10.2	10.2	10.2
90°	2.3	4.5	4.5	4.5	4.5
92.5°	4.5	5.7	6.8	7.9	6.8
95°	7.9	9.1	10.2	10.2	10.2
97.5°	12.5	13.6	13.6	13.6	13.6
100°	15.9	18.1	17.0	18.1	17.0
102.5°	19.3	23.8	23.8	21.5	21.5
105°	21.5	29.4	26.0	28.3	26.0
107.5°	23.8	36.2	30.6	31.7	32.8
110°	27.2	40.8	37.4	34.0	35.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	29.4	49.8	44.2	39.6	38.5
115°	31.7	51.0	52.1	45.3	44.2
117.5°	35.1	51.0	58.9	53.2	51.0
120°	37.4	54.4	64.6	60.0	57.8
122.5°	39.6	56.6	68.0	68.0	65.7
125°	41.9	57.8	71.3	73.6	72.5
127.5°	43.0	54.4	77.0	80.4	79.3
130°	45.3	52.1	75.9	81.5	84.9
132.5°	47.6	53.2	73.6	82.7	84.9
135°	48.7	54.4	71.3	88.3	87.2
137.5°	49.8	55.5	72.5	84.9	90.6
140°	52.1	55.5	73.6	80.4	87.2
142.5°	53.2	56.6	73.6	77.0	81.5
145°	54.4	56.6	68.0	78.1	79.3
147.5°	54.4	57.8	63.4	79.3	79.3
150°	55.5	57.8	63.4	79.3	79.3
152.5°	56.6	58.9	62.3	69.1	78.1
155°	56.6	58.9	62.3	66.8	66.8
157.5°	57.8	58.9	62.3	65.7	65.7
160°	57.8	58.9	62.3	64.6	63.4
162.5°	58.9	58.9	61.2	63.4	62.3
165°	58.9	58.9	62.3	63.4	62.3
167.5°	58.9	60.0	61.2	62.3	61.2
170°	60.0	60.0	61.2	61.2	60.0
172.5°	60.0	60.0	61.2	60.0	58.9
175°	60.0	60.0	60.0	60.0	57.8
177.5°	60.0	58.9	60.0	58.9	56.6
180°	58.9	58.9	58.9	58.9	58.9

(END OF REPORT)