

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: P274896

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274896
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2231.9 lumens
Efficiency: N/A
Efficacy: 87.2 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

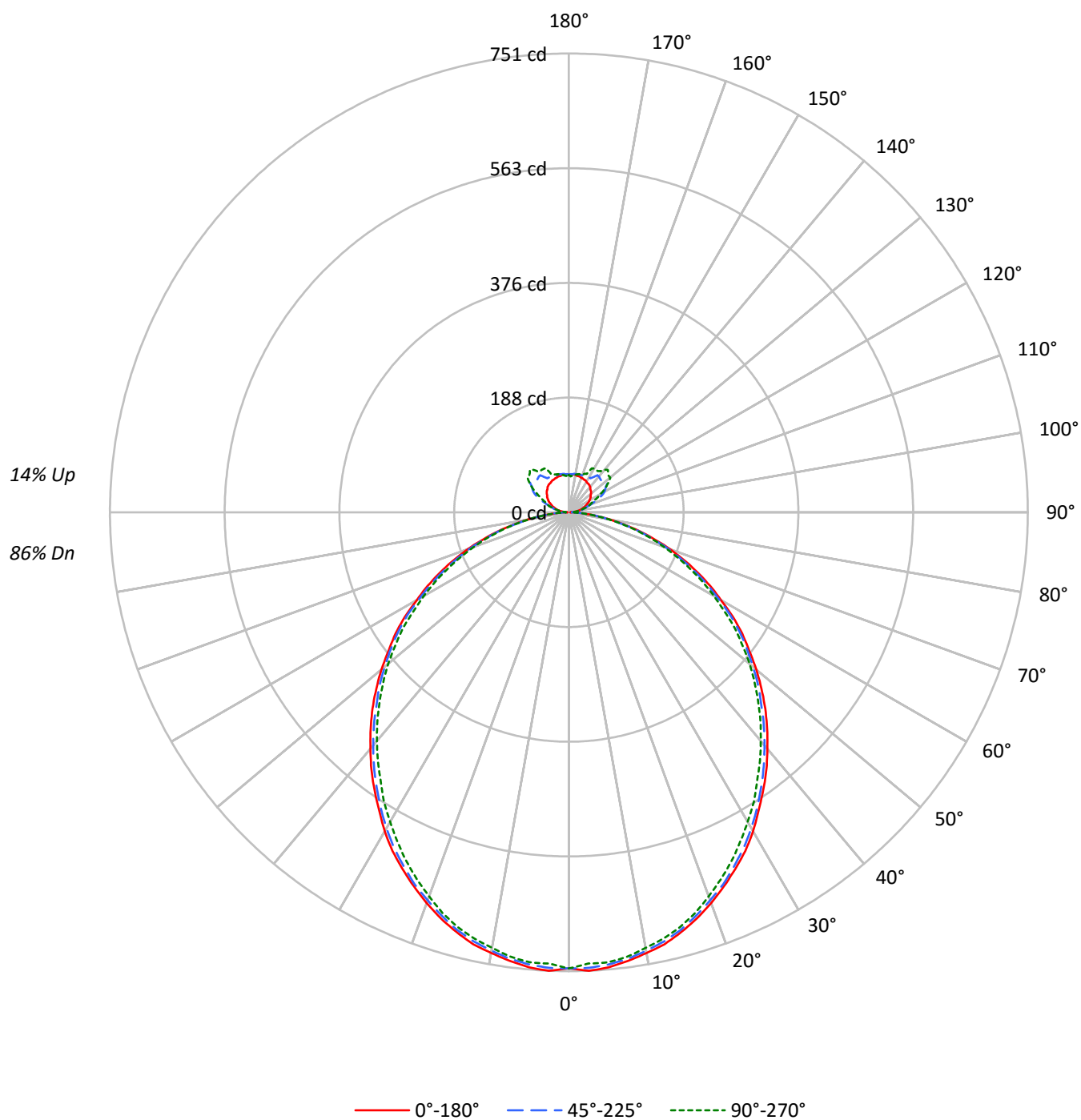
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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°	6026	6026	6026
5°	6058	6020	5991
10°	6003	5974	5935
15°	5943	5914	5874
20°	5846	5806	5745
25°	5736	5695	5610
30°	5619	5564	5454
35°	5465	5407	5290
40°	5323	5248	5149
45°	5188	5081	5001
50°	5027	4938	4850
55°	4871	4805	4673
60°	4639	4561	4429
65°	4430	4317	4183
70°	4140	4029	3890
75°	3746	3671	3562
80°	3175	3119	3064
85°	2399	2510	2399



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	3.2
10°-20°	198.6	8.9
20°-30°	293.0	13.1
30°-40°	341.5	15.3
40°-50°	343.3	15.4
50°-60°	302.4	13.5
60°-70°	223.2	10.0
70°-80°	123.7	5.5
80°-90°	32.2	1.4
90°-100°	11.4	0.5
100°-110°	29.5	1.3
110°-120°	47.9	2.1
120°-130°	59.8	2.7
130°-140°	56.2	2.5
140°-150°	44.3	2.0
150°-160°	30.5	1.4
160°-170°	18.0	0.8
170°-180°	6.0	0.3
0°-30°	562.0	25.2
0°-40°	903.4	40.5
0°-60°	1549.1	69.4
0°-90°	1928.2	86.4
90°-120°	88.9	4.0
90°-150°	249.2	11.2
90°-180°	304.0	13.6
0°-180°	2231.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	748	739	743	740	739	71
15°	711	704	708	704	703	200
25°	644	638	639	631	630	297
35°	554	550	549	539	537	347
45°	454	450	445	439	438	350
55°	346	343	341	334	332	309
65°	232	230	226	221	219	229
75°	120	119	118	114	114	127
85°	26	27	27	26	26	30
90°	2	5	5	5	5	3
95°	8	9	11	11	11	9
105°	22	31	27	29	27	24
115°	33	53	54	47	46	33
125°	44	60	74	76	75	39
135°	51	56	74	92	91	39
145°	56	59	71	81	82	35
155°	59	61	65	70	70	27
165°	61	61	65	66	65	17
175°	62	62	62	62	60	6
180°	61	61	61	61	61	



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CATALOG NUMBER: J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	746.4	746.4	746.4	746.4	746.4
2.5°	751.1	742.9	746.4	744.0	739.3
5°	747.6	739.3	742.9	740.5	739.3
7.5°	740.5	733.5	737.0	734.6	733.5
10°	732.3	725.2	728.7	725.2	724.0
12.5°	724.0	715.8	719.3	714.6	714.6
15°	711.1	704.0	707.6	704.0	702.8
17.5°	697.0	689.9	692.2	688.7	687.5
20°	680.5	673.4	675.8	671.1	668.7
22.5°	662.8	656.9	659.3	651.0	649.9
25°	644.0	638.1	639.3	631.0	629.8
27.5°	625.1	616.9	619.3	609.8	607.5
30°	602.8	595.7	596.9	587.5	585.1
32.5°	578.0	573.3	573.3	563.9	562.7
35°	554.5	549.8	548.6	539.2	536.8
37.5°	531.0	525.1	523.9	513.3	513.3
40°	505.1	500.3	498.0	489.8	488.6
42.5°	480.3	474.4	472.1	463.9	463.9
45°	454.4	449.7	445.0	439.1	438.0
47.5°	427.4	422.6	420.3	413.2	412.1
50°	400.3	396.7	393.2	387.3	386.2
52.5°	372.0	369.7	367.3	361.4	357.9
55°	346.1	342.6	341.4	334.4	332.0
57.5°	317.9	314.3	313.2	304.9	301.4
60°	287.3	283.7	282.5	275.5	274.3
62.5°	260.2	256.6	254.3	249.6	247.2
65°	231.9	229.6	226.0	221.3	219.0
67.5°	203.7	201.3	197.8	194.3	191.9
70°	175.4	173.1	170.7	166.0	164.8
72.5°	147.2	144.8	142.5	140.1	140.1
75°	120.1	118.9	117.7	114.2	114.2
77.5°	93.0	91.8	90.7	89.5	89.5
80°	68.3	68.3	67.1	65.9	65.9
82.5°	45.9	45.9	45.9	44.7	44.7
85°	25.9	27.1	27.1	25.9	25.9
87.5°	10.6	10.6	10.6	10.6	10.6
90°	2.4	4.7	4.7	4.7	4.7
92.5°	4.7	5.9	7.1	8.2	7.1
95°	8.2	9.4	10.6	10.6	10.6
97.5°	13.0	14.1	14.1	14.1	14.1
100°	16.5	18.8	17.7	18.8	17.7
102.5°	20.0	24.7	24.7	22.4	22.4
105°	22.4	30.6	27.1	29.4	27.1
107.5°	24.7	37.7	31.8	33.0	34.1
110°	28.3	42.4	38.9	35.3	36.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	30.6	51.8	45.9	41.2	40.0
115°	33.0	53.0	54.2	47.1	45.9
117.5°	36.5	53.0	61.2	55.3	53.0
120°	38.9	56.5	67.1	62.4	60.0
122.5°	41.2	58.9	70.6	70.6	68.3
125°	43.6	60.0	74.2	76.5	75.3
127.5°	44.7	56.5	80.1	83.6	82.4
130°	47.1	54.2	78.9	84.8	88.3
132.5°	49.4	55.3	76.5	85.9	88.3
135°	50.6	56.5	74.2	91.8	90.7
137.5°	51.8	57.7	75.3	88.3	94.2
140°	54.2	57.7	76.5	83.6	90.7
142.5°	55.3	58.9	76.5	80.1	84.8
145°	56.5	58.9	70.6	81.2	82.4
147.5°	56.5	60.0	65.9	82.4	82.4
150°	57.7	60.0	65.9	82.4	82.4
152.5°	58.9	61.2	64.8	71.8	81.2
155°	58.9	61.2	64.8	69.5	69.5
157.5°	60.0	61.2	64.8	68.3	68.3
160°	60.0	61.2	64.8	67.1	65.9
162.5°	61.2	61.2	63.6	65.9	64.8
165°	61.2	61.2	64.8	65.9	64.8
167.5°	61.2	62.4	63.6	64.8	63.6
170°	62.4	62.4	63.6	63.6	62.4
172.5°	62.4	62.4	63.6	62.4	61.2
175°	62.4	62.4	62.4	62.4	60.0
177.5°	62.4	61.2	62.4	61.2	58.9
180°	61.2	61.2	61.2	61.2	61.2

(END OF REPORT)