

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: P253389

Luminaire Tested: **J2-WL-30L93050-1D-UNV-W2A-DLED-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253389
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-30L93050-1D-UNV-W2A-DLED-W-4 (3500K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2327.0 lumens
Efficiency: N/A
Efficacy: 88.5 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

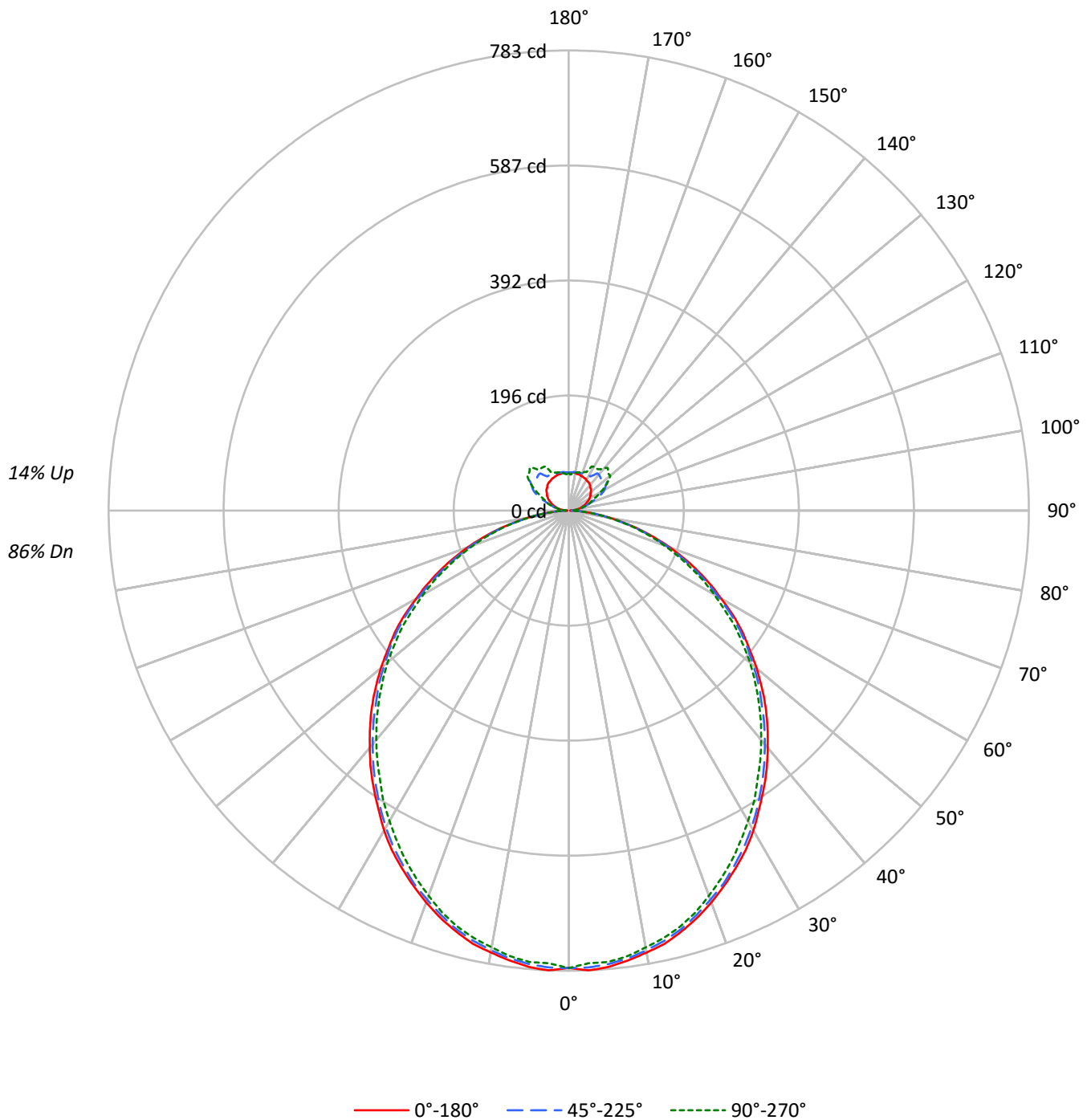
Input Watts (W): 26.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6282	6282	6282
5°	6316	6276	6247
10°	6259	6228	6188
15°	6196	6165	6125
20°	6095	6053	5990
25°	5981	5937	5850
30°	5859	5801	5687
35°	5697	5637	5516
40°	5550	5472	5368
45°	5409	5297	5213
50°	5241	5149	5056
55°	5080	5011	4871
60°	4836	4757	4618
65°	4619	4502	4361
70°	4317	4201	4055
75°	3905	3827	3715
80°	3310	3254	3194
85°	2501	2612	2501



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	3.2
10°-20°	207.1	8.9
20°-30°	305.5	13.1
30°-40°	356.1	15.3
40°-50°	358.0	15.4
50°-60°	315.2	13.5
60°-70°	232.7	10.0
70°-80°	128.9	5.5
80°-90°	33.5	1.4
90°-100°	11.9	0.5
100°-110°	30.8	1.3
110°-120°	50.0	2.1
120°-130°	62.4	2.7
130°-140°	58.6	2.5
140°-150°	46.2	2.0
150°-160°	31.8	1.4
160°-170°	18.8	0.8
170°-180°	6.2	0.3
0°-30°	585.9	25.2
0°-40°	942.0	40.5
0°-60°	1615.2	69.4
0°-90°	2010.4	86.4
90°-120°	92.6	4.0
90°-150°	259.8	11.2
90°-180°	317.0	13.6
0°-180°	2327.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	778	778	778	778	778	
5°	779	771	774	772	771	74
15°	741	734	738	734	733	209
25°	671	665	666	658	657	309
35°	578	573	572	562	560	362
45°	474	469	464	458	457	365
55°	361	357	356	349	346	322
65°	242	239	236	231	228	239
75°	125	124	123	119	119	133
85°	27	28	28	27	27	32
90°	2	5	5	5	5	3
95°	9	10	11	11	11	9
105°	23	32	28	31	28	25
115°	34	55	56	49	48	35
125°	45	63	77	80	79	40
135°	53	59	77	96	94	41
145°	59	61	74	85	86	37
155°	61	64	68	72	72	29
165°	64	64	68	69	68	18
175°	65	65	65	65	63	6
180°	64	64	64	64	64	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	778.2	778.2	778.2	778.2	778.2
2.5°	783.1	774.5	778.2	775.8	770.9
5°	779.4	770.9	774.5	772.1	770.9
7.5°	772.1	764.7	768.4	765.9	764.7
10°	763.5	756.1	759.8	756.1	754.9
12.5°	754.9	746.3	750.0	745.1	745.1
15°	741.4	734.0	737.7	734.0	732.8
17.5°	726.7	719.3	721.8	718.1	716.8
20°	709.5	702.1	704.6	699.7	697.2
22.5°	691.1	684.9	687.4	678.8	677.6
25°	671.4	665.3	666.5	657.9	656.7
27.5°	651.8	643.2	645.7	635.8	633.4
30°	628.5	621.1	622.3	612.5	610.1
32.5°	602.7	597.8	597.8	588.0	586.7
35°	578.1	573.2	572.0	562.2	559.7
37.5°	553.6	547.5	546.2	535.2	535.2
40°	526.6	521.7	519.2	510.6	509.4
42.5°	500.8	494.7	492.2	483.6	483.6
45°	473.8	468.9	464.0	457.8	456.6
47.5°	445.6	440.7	438.2	430.8	429.6
50°	417.3	413.7	410.0	403.8	402.6
52.5°	387.9	385.4	383.0	376.8	373.2
55°	360.9	357.2	356.0	348.6	346.1
57.5°	331.4	327.7	326.5	317.9	314.2
60°	299.5	295.8	294.6	287.2	286.0
62.5°	271.3	267.6	265.1	260.2	257.8
65°	241.8	239.4	235.7	230.8	228.3
67.5°	212.4	209.9	206.2	202.5	200.1
70°	182.9	180.4	178.0	173.1	171.8
72.5°	153.4	151.0	148.5	146.1	146.1
75°	125.2	124.0	122.7	119.1	119.1
77.5°	97.0	95.7	94.5	93.3	93.3
80°	71.2	71.2	70.0	68.7	68.7
82.5°	47.9	47.9	47.9	46.6	46.6
85°	27.0	28.2	28.2	27.0	27.0
87.5°	11.0	11.0	11.0	11.0	11.0
90°	2.5	4.9	4.9	4.9	4.9
92.5°	4.9	6.1	7.4	8.6	7.4
95°	8.6	9.8	11.0	11.0	11.0
97.5°	13.5	14.7	14.7	14.7	14.7
100°	17.2	19.6	18.4	19.6	18.4
102.5°	20.9	25.8	25.8	23.3	23.3
105°	23.3	31.9	28.2	30.7	28.2
107.5°	25.8	39.3	33.1	34.4	35.6
110°	29.5	44.2	40.5	36.8	38.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	31.9	54.0	47.9	43.0	41.7
115°	34.4	55.2	56.5	49.1	47.9
117.5°	38.1	55.2	63.8	57.7	55.2
120°	40.5	58.9	70.0	65.1	62.6
122.5°	43.0	61.4	73.6	73.6	71.2
125°	45.4	62.6	77.3	79.8	78.6
127.5°	46.6	58.9	83.5	87.2	85.9
130°	49.1	56.5	82.2	88.4	92.1
132.5°	51.6	57.7	79.8	89.6	92.1
135°	52.8	58.9	77.3	95.7	94.5
137.5°	54.0	60.1	78.6	92.1	98.2
140°	56.5	60.1	79.8	87.2	94.5
142.5°	57.7	61.4	79.8	83.5	88.4
145°	58.9	61.4	73.6	84.7	85.9
147.5°	58.9	62.6	68.7	85.9	85.9
150°	60.1	62.6	68.7	85.9	85.9
152.5°	61.4	63.8	67.5	74.9	84.7
155°	61.4	63.8	67.5	72.4	72.4
157.5°	62.6	63.8	67.5	71.2	71.2
160°	62.6	63.8	67.5	70.0	68.7
162.5°	63.8	63.8	66.3	68.7	67.5
165°	63.8	63.8	67.5	68.7	67.5
167.5°	63.8	65.1	66.3	67.5	66.3
170°	65.1	65.1	66.3	66.3	65.1
172.5°	65.1	65.1	66.3	65.1	63.8
175°	65.1	65.1	65.1	65.1	62.6
177.5°	65.1	63.8	65.1	63.8	61.4
180°	63.8	63.8	63.8	63.8	63.8

(END OF REPORT)