

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: P253373

Luminaire Tested: **J2-WL-30L83050-1D-UNV-W2A-DLED-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253373
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-30L83050-1D-UNV-W2A-DLED-W-4 (4000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2882.4 lumens
Efficiency: N/A
Efficacy: 109.2 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

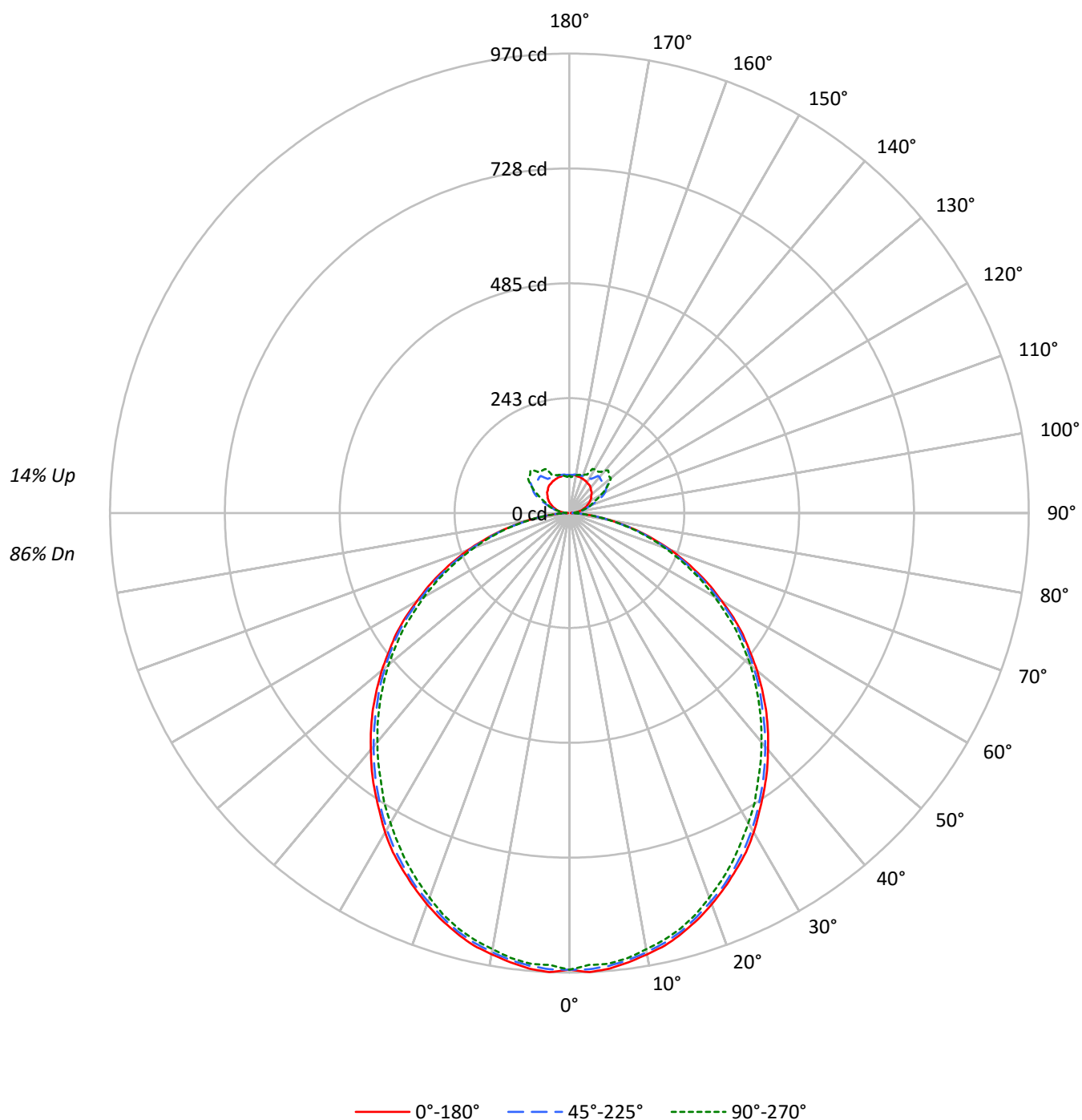
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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°	7782	7782	7782
5°	7824	7775	7737
10°	7752	7715	7665
15°	7675	7637	7586
20°	7550	7497	7419
25°	7408	7354	7245
30°	7256	7185	7044
35°	7057	6982	6833
40°	6874	6777	6650
45°	6701	6561	6457
50°	6492	6378	6263
55°	6291	6206	6035
60°	5990	5892	5720
65°	5721	5576	5402
70°	5346	5205	5025
75°	4838	4741	4601
80°	4100	4031	3956
85°	3094	3242	3094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	3.2
10°-20°	256.5	8.9
20°-30°	378.4	13.1
30°-40°	441.0	15.3
40°-50°	443.4	15.4
50°-60°	390.5	13.5
60°-70°	288.2	10.0
70°-80°	159.7	5.5
80°-90°	41.6	1.4
90°-100°	14.8	0.5
100°-110°	38.1	1.3
110°-120°	61.9	2.1
120°-130°	77.3	2.7
130°-140°	72.6	2.5
140°-150°	57.2	2.0
150°-160°	39.4	1.4
160°-170°	23.3	0.8
170°-180°	7.7	0.3
0°-30°	725.7	25.2
0°-40°	1166.7	40.5
0°-60°	2000.6	69.4
0°-90°	2490.2	86.4
90°-120°	114.7	4.0
90°-150°	321.9	11.2
90°-180°	392.0	13.6
0°-180°	2882.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	964	964	964	964	964	
5°	966	955	959	956	955	91
15°	918	909	914	909	908	259
25°	832	824	826	815	813	383
35°	716	710	708	696	693	448
45°	587	581	575	567	566	452
55°	447	442	441	432	429	398
65°	300	296	292	286	283	296
75°	155	154	152	148	148	164
85°	33	35	35	33	33	39
90°	3	6	6	6	6	4
95°	11	12	14	14	14	11
105°	29	40	35	38	35	30
115°	43	68	70	61	59	43
125°	56	78	96	99	97	50
135°	65	73	96	119	117	51
145°	73	76	91	105	106	45
155°	76	79	84	90	90	35
165°	79	79	84	85	84	22
175°	81	81	81	81	78	8
180°	79	79	79	79	79	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	963.9	963.9	963.9	963.9	963.9
2.5°	970.0	959.4	963.9	960.9	954.8
5°	965.5	954.8	959.4	956.3	954.8
7.5°	956.3	947.2	951.8	948.7	947.2
10°	945.7	936.6	941.1	936.6	935.0
12.5°	935.0	924.4	929.0	922.9	922.9
15°	918.3	909.2	913.8	909.2	907.7
17.5°	900.1	891.0	894.0	889.4	887.9
20°	878.8	869.7	872.7	866.6	863.6
22.5°	856.0	848.4	851.4	840.8	839.3
25°	831.7	824.1	825.6	814.9	813.4
27.5°	807.3	796.7	799.7	787.6	784.5
30°	778.4	769.3	770.8	758.7	755.6
32.5°	746.5	740.4	740.4	728.3	726.8
35°	716.1	710.0	708.5	696.3	693.3
37.5°	685.7	678.1	676.6	662.9	662.9
40°	652.3	646.2	643.1	632.5	631.0
42.5°	620.3	612.7	609.7	599.0	599.0
45°	586.9	580.8	574.7	567.1	565.6
47.5°	551.9	545.8	542.8	533.7	532.1
50°	516.9	512.4	507.8	500.2	498.7
52.5°	480.4	477.4	474.4	466.8	462.2
55°	447.0	442.4	440.9	431.8	428.8
57.5°	410.5	405.9	404.4	393.8	389.2
60°	371.0	366.4	364.9	355.8	354.3
62.5°	336.0	331.4	328.4	322.3	319.3
65°	299.5	296.5	291.9	285.8	282.8
67.5°	263.0	260.0	255.4	250.9	247.8
70°	226.5	223.5	220.5	214.4	212.9
72.5°	190.1	187.0	184.0	180.9	180.9
75°	155.1	153.6	152.0	147.5	147.5
77.5°	120.1	118.6	117.1	115.6	115.6
80°	88.2	88.2	86.7	85.1	85.1
82.5°	59.3	59.3	59.3	57.8	57.8
85°	33.4	35.0	35.0	33.4	33.4
87.5°	13.7	13.7	13.7	13.7	13.7
90°	3.0	6.1	6.1	6.1	6.1
92.5°	6.1	7.6	9.1	10.6	9.1
95°	10.6	12.2	13.7	13.7	13.7
97.5°	16.7	18.2	18.2	18.2	18.2
100°	21.3	24.3	22.8	24.3	22.8
102.5°	25.8	31.9	31.9	28.9	28.9
105°	28.9	39.5	35.0	38.0	35.0
107.5°	31.9	48.7	41.1	42.6	44.1
110°	36.5	54.7	50.2	45.6	47.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	39.5	66.9	59.3	53.2	51.7
115°	42.6	68.4	69.9	60.8	59.3
117.5°	47.1	68.4	79.1	71.5	68.4
120°	50.2	73.0	86.7	80.6	77.5
122.5°	53.2	76.0	91.2	91.2	88.2
125°	56.3	77.5	95.8	98.8	97.3
127.5°	57.8	73.0	103.4	107.9	106.4
130°	60.8	69.9	101.9	109.5	114.0
132.5°	63.9	71.5	98.8	111.0	114.0
135°	65.4	73.0	95.8	118.6	117.1
137.5°	66.9	74.5	97.3	114.0	121.6
140°	69.9	74.5	98.8	107.9	117.1
142.5°	71.5	76.0	98.8	103.4	109.5
145°	73.0	76.0	91.2	104.9	106.4
147.5°	73.0	77.5	85.1	106.4	106.4
150°	74.5	77.5	85.1	106.4	106.4
152.5°	76.0	79.1	83.6	92.7	104.9
155°	76.0	79.1	83.6	89.7	89.7
157.5°	77.5	79.1	83.6	88.2	88.2
160°	77.5	79.1	83.6	86.7	85.1
162.5°	79.1	79.1	82.1	85.1	83.6
165°	79.1	79.1	83.6	85.1	83.6
167.5°	79.1	80.6	82.1	83.6	82.1
170°	80.6	80.6	82.1	82.1	80.6
172.5°	80.6	80.6	82.1	80.6	79.1
175°	80.6	80.6	80.6	80.6	77.5
177.5°	80.6	79.1	80.6	79.1	76.0
180°	79.1	79.1	79.1	79.1	79.1

(END OF REPORT)