

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: P274930

Luminaire Tested: **J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274930
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-40L92765-1D-UNV-W2A-DLED-W-4 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3218.7 lumens
Efficiency: N/A
Efficacy: 86.8 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

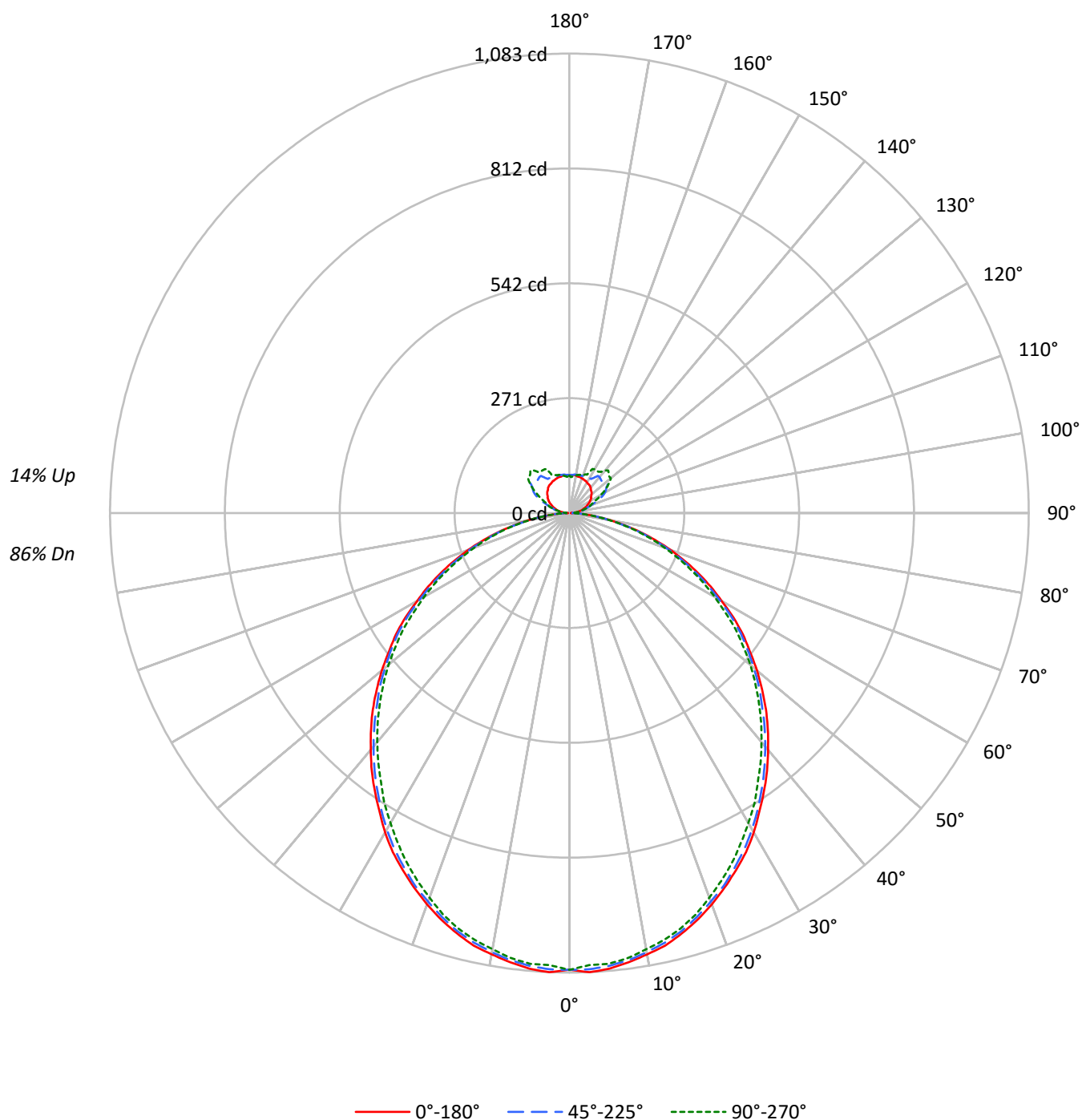
Input Watts (W): 37.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8690	8690	8690
5°	8737	8682	8640
10°	8657	8615	8559
15°	8571	8528	8471
20°	8430	8372	8284
25°	8272	8212	8091
30°	8103	8024	7866
35°	7881	7797	7630
40°	7676	7569	7425
45°	7481	7327	7211
50°	7249	7122	6994
55°	7025	6930	6739
60°	6689	6579	6387
65°	6390	6227	6032
70°	5972	5811	5611
75°	5402	5296	5137
80°	4579	4500	4421
85°	3464	3612	3464



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	3.2
10°-20°	286.5	8.9
20°-30°	422.5	13.1
30°-40°	492.5	15.3
40°-50°	495.2	15.4
50°-60°	436.0	13.5
60°-70°	321.9	10.0
70°-80°	178.3	5.5
80°-90°	46.4	1.4
90°-100°	16.5	0.5
100°-110°	42.5	1.3
110°-120°	69.1	2.1
120°-130°	86.3	2.7
130°-140°	81.1	2.5
140°-150°	63.9	2.0
150°-160°	44.0	1.4
160°-170°	26.0	0.8
170°-180°	8.6	0.3
0°-30°	810.4	25.2
0°-40°	1302.9	40.5
0°-60°	2234.1	69.4
0°-90°	2780.7	86.4
90°-120°	128.1	4.0
90°-150°	359.4	11.2
90°-180°	438.0	13.6
0°-180°	3218.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1076	1076	1076	1076	1076	
5°	1078	1066	1071	1068	1066	102
15°	1026	1015	1020	1015	1014	289
25°	929	920	922	910	908	428
35°	800	793	791	778	774	501
45°	655	649	642	633	632	505
55°	499	494	492	482	479	445
65°	334	331	326	319	316	331
75°	173	172	170	165	165	183
85°	37	39	39	37	37	44
90°	3	7	7	7	7	4
95°	12	14	15	15	15	12
105°	32	44	39	42	39	34
115°	48	76	78	68	66	48
125°	63	87	107	110	109	56
135°	73	82	107	132	131	56
145°	82	85	102	117	119	51
155°	85	88	93	100	100	39
165°	88	88	93	95	93	25
175°	90	90	90	90	87	9
180°	88	88	88	88	88	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1076.4	1076.4	1076.4	1076.4	1076.4
2.5°	1083.2	1071.3	1076.4	1073.0	1066.2
5°	1078.1	1066.2	1071.3	1067.9	1066.2
7.5°	1067.9	1057.7	1062.8	1059.4	1057.7
10°	1056.0	1045.8	1050.9	1045.8	1044.1
12.5°	1044.1	1032.3	1037.3	1030.6	1030.6
15°	1025.5	1015.3	1020.4	1015.3	1013.6
17.5°	1005.1	994.9	998.3	993.2	991.5
20°	981.3	971.1	974.5	967.7	964.3
22.5°	955.9	947.4	950.8	938.9	937.2
25°	928.7	920.2	921.9	910.0	908.3
27.5°	901.5	889.6	893.0	879.5	876.1
30°	869.3	859.1	860.8	847.2	843.8
32.5°	833.6	826.8	826.8	813.2	811.5
35°	799.7	792.9	791.2	777.6	774.2
37.5°	765.7	757.2	755.5	740.2	740.2
40°	728.4	721.6	718.2	706.3	704.6
42.5°	692.7	684.2	680.8	668.9	668.9
45°	655.3	648.6	641.8	633.3	631.6
47.5°	616.3	609.5	606.1	595.9	594.2
50°	577.2	572.2	567.1	558.6	556.9
52.5°	536.5	533.1	529.7	521.2	516.1
55°	499.1	494.1	492.4	482.2	478.8
57.5°	458.4	453.3	451.6	439.7	434.6
60°	414.3	409.2	407.5	397.3	395.6
62.5°	375.2	370.1	366.7	359.9	356.5
65°	334.5	331.1	326.0	319.2	315.8
67.5°	293.7	290.3	285.2	280.1	276.7
70°	253.0	249.6	246.2	239.4	237.7
72.5°	212.2	208.8	205.4	202.0	202.0
75°	173.2	171.5	169.8	164.7	164.7
77.5°	134.1	132.4	130.7	129.0	129.0
80°	98.5	98.5	96.8	95.1	95.1
82.5°	66.2	66.2	66.2	64.5	64.5
85°	37.4	39.0	39.0	37.4	37.4
87.5°	15.3	15.3	15.3	15.3	15.3
90°	3.4	6.8	6.8	6.8	6.8
92.5°	6.8	8.5	10.2	11.9	10.2
95°	11.9	13.6	15.3	15.3	15.3
97.5°	18.7	20.4	20.4	20.4	20.4
100°	23.8	27.2	25.5	27.2	25.5
102.5°	28.9	35.7	35.7	32.3	32.3
105°	32.3	44.1	39.0	42.4	39.0
107.5°	35.7	54.3	45.8	47.5	49.2
110°	40.7	61.1	56.0	50.9	52.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	44.1	74.7	66.2	59.4	57.7
115°	47.5	76.4	78.1	67.9	66.2
117.5°	52.6	76.4	88.3	79.8	76.4
120°	56.0	81.5	96.8	90.0	86.6
122.5°	59.4	84.9	101.9	101.9	98.5
125°	62.8	86.6	107.0	110.4	108.7
127.5°	64.5	81.5	115.4	120.5	118.8
130°	67.9	78.1	113.8	122.2	127.3
132.5°	71.3	79.8	110.4	123.9	127.3
135°	73.0	81.5	107.0	132.4	130.7
137.5°	74.7	83.2	108.7	127.3	135.8
140°	78.1	83.2	110.4	120.5	130.7
142.5°	79.8	84.9	110.4	115.4	122.2
145°	81.5	84.9	101.9	117.1	118.8
147.5°	81.5	86.6	95.1	118.8	118.8
150°	83.2	86.6	95.1	118.8	118.8
152.5°	84.9	88.3	93.4	103.6	117.1
155°	84.9	88.3	93.4	100.2	100.2
157.5°	86.6	88.3	93.4	98.5	98.5
160°	86.6	88.3	93.4	96.8	95.1
162.5°	88.3	88.3	91.7	95.1	93.4
165°	88.3	88.3	93.4	95.1	93.4
167.5°	88.3	90.0	91.7	93.4	91.7
170°	90.0	90.0	91.7	91.7	90.0
172.5°	90.0	90.0	91.7	90.0	88.3
175°	90.0	90.0	90.0	90.0	86.6
177.5°	90.0	88.3	90.0	88.3	84.9
180°	88.3	88.3	88.3	88.3	88.3

(END OF REPORT)