

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: P274938

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-12)
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-W-4 (4000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
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: 3495.9 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

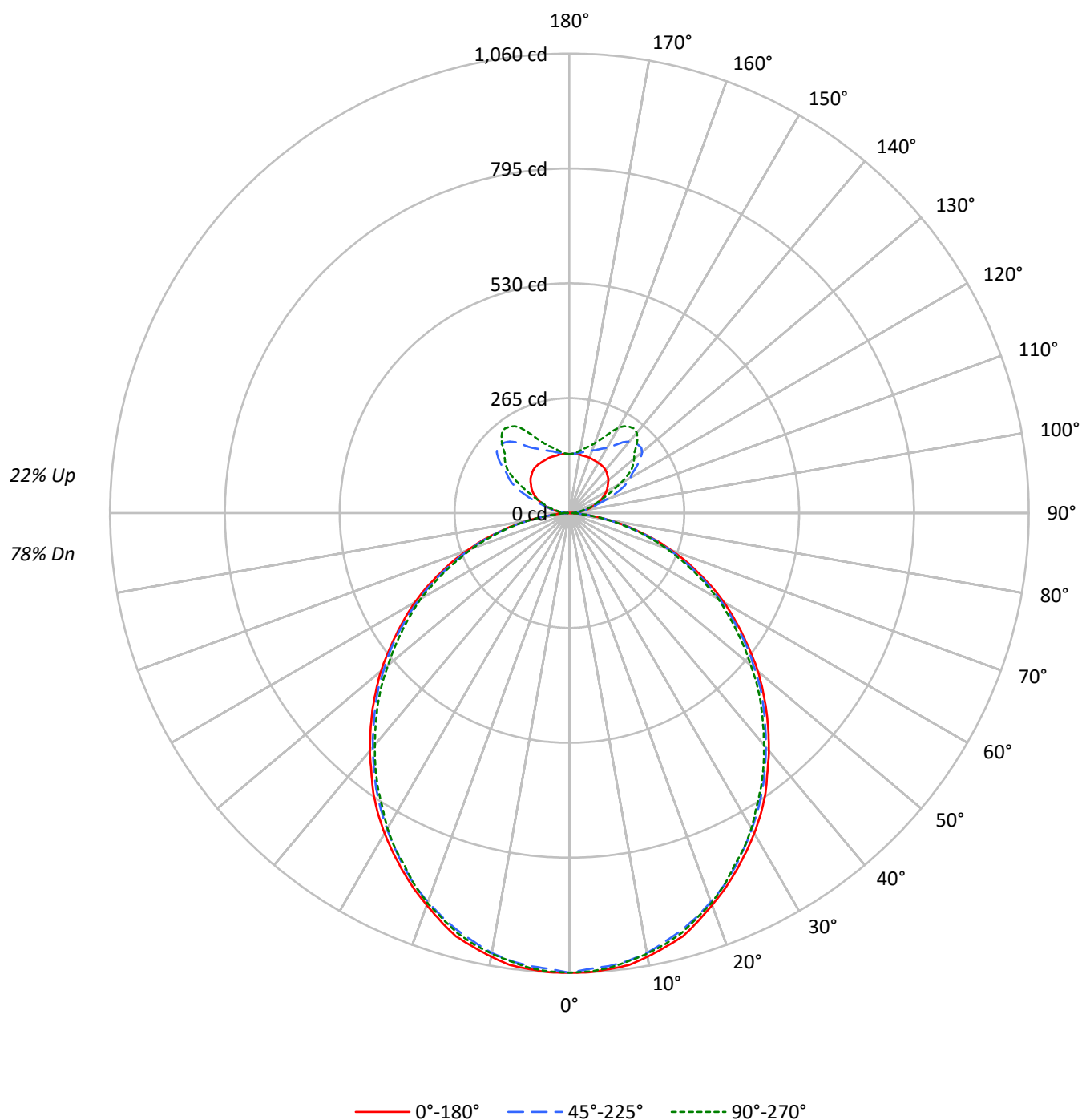
Input Watts (W): 37.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78		
1	104	100	96	92	99	95	92	89	87	84	82	80	78	76	73	71	70	66		
2	95	87	81	75	90	83	78	73	76	72	68	70	66	63	64	61	59	55		
3	87	77	69	63	82	73	66	61	67	62	57	62	57	53	57	53	50	47		
4	79	68	60	53	75	65	58	52	60	54	49	55	50	46	51	47	43	40		
5	73	61	52	46	69	58	51	45	54	47	42	50	44	40	46	41	38	35		
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31		
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29	27		
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24		
9	54	41	33	28	52	40	33	28	37	31	26	35	29	25	32	27	24	22		
10	51	38	31	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8561	8561	8561
5°	8558	8501	8537
10°	8520	8448	8461
15°	8450	8332	8376
20°	8269	8200	8223
25°	8109	8038	8007
30°	7952	7844	7828
35°	7771	7658	7597
40°	7547	7435	7361
45°	7339	7228	7138
50°	7131	6998	6865
55°	6860	6773	6612
60°	6644	6487	6402
65°	6308	6139	6004
70°	5877	5731	5606
75°	5234	5150	5097
80°	4189	4226	4105
85°	2695	2779	2862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	2.9
10°-20°	282.5	8.1
20°-30°	416.7	11.9
30°-40°	486.7	13.9
40°-50°	488.8	14.0
50°-60°	430.2	12.3
60°-70°	319.9	9.2
70°-80°	175.4	5.0
80°-90°	39.9	1.1
90°-100°	20.1	0.6
100°-110°	63.7	1.8
110°-120°	120.1	3.4
120°-130°	151.1	4.3
130°-140°	148.8	4.3
140°-150°	119.9	3.4
150°-160°	76.8	2.2
160°-170°	42.0	1.2
170°-180°	13.3	0.4
0°-30°	799.2	22.9
0°-40°	1285.9	36.8
0°-60°	2204.9	63.1
0°-90°	2740.1	78.4
90°-120°	204.0	5.8
90°-150°	623.8	17.8
90°-180°	756.0	21.6
0°-180°	3495.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1060	1060	1060	1060	1060	
5°	1056	1053	1049	1053	1053	100
15°	1011	1005	997	1006	1002	284
25°	910	909	902	902	899	419
35°	788	784	777	774	771	492
45°	643	641	633	626	625	496
55°	487	489	481	474	470	437
65°	330	330	321	318	314	327
75°	168	168	165	162	163	179
85°	29	30	30	32	31	37
90°	1	3	4	4	4	3
95°	18	18	18	19	19	19
105°	53	85	55	55	49	56
115°	85	169	132	102	94	84
125°	108	173	191	177	175	96
135°	124	154	223	226	218	96
145°	132	149	194	234	243	83
155°	134	145	162	185	195	62
165°	136	140	148	154	157	39
175°	137	137	138	139	139	13
180°	136	136	136	136	136	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1060.5	1060.5	1060.5	1060.5	1060.5
2.5°	1060.5	1058.7	1052.5	1057.8	1058.7
5°	1056.1	1053.4	1049.0	1053.4	1053.4
7.5°	1051.7	1047.2	1041.9	1044.6	1042.8
10°	1039.3	1037.5	1030.5	1034.0	1032.2
12.5°	1025.2	1022.5	1013.7	1020.7	1019.0
15°	1011.0	1004.9	996.9	1005.7	1002.2
17.5°	987.2	985.4	976.6	984.5	979.2
20°	962.5	961.6	954.5	958.1	957.2
22.5°	937.7	935.1	930.7	931.6	930.7
25°	910.4	908.6	902.4	901.5	898.9
27.5°	882.1	881.2	872.4	872.4	871.5
30°	853.0	850.3	841.5	841.5	839.7
32.5°	822.1	817.7	809.7	807.9	803.5
35°	788.5	784.1	777.0	774.4	770.9
37.5°	750.6	749.7	740.8	738.2	735.5
40°	716.1	713.5	705.5	702.9	698.5
42.5°	679.0	679.0	669.3	663.1	661.4
45°	642.8	641.1	633.1	626.0	625.2
47.5°	604.9	604.0	597.8	587.2	587.2
50°	567.8	566.0	557.2	550.1	546.6
52.5°	527.2	529.8	521.0	513.0	508.6
55°	487.4	489.2	481.2	474.2	469.8
57.5°	449.4	450.3	441.5	436.2	432.7
60°	411.5	410.6	401.8	397.4	396.5
62.5°	371.7	370.0	362.9	358.5	354.1
65°	330.2	330.2	321.4	317.9	314.3
67.5°	291.4	288.7	282.6	279.0	274.6
70°	249.0	248.1	242.8	240.2	237.5
72.5°	211.0	208.4	205.7	202.2	199.6
75°	167.8	167.8	165.1	162.5	163.4
77.5°	130.7	129.8	127.2	125.4	125.4
80°	90.1	91.8	90.9	90.1	88.3
82.5°	58.3	59.2	56.5	56.5	57.4
85°	29.1	30.0	30.0	31.8	30.9
87.5°	9.7	10.6	12.4	13.2	13.2
90°	0.9	2.6	3.5	4.4	3.5
92.5°	9.7	10.6	13.2	13.2	13.2
95°	18.5	17.7	17.7	19.4	19.4
97.5°	27.4	28.3	22.1	23.0	23.0
100°	36.2	44.2	33.6	27.4	27.4
102.5°	45.0	64.5	44.2	38.9	35.3
105°	53.0	84.8	54.7	54.7	49.4
107.5°	60.9	103.3	68.9	57.4	57.4
110°	68.9	128.0	89.2	68.9	65.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	77.7	151.9	111.3	83.0	77.7
115°	84.8	168.7	132.5	101.5	93.6
117.5°	91.8	175.7	149.2	122.7	112.1
120°	98.0	178.4	161.6	144.8	134.2
122.5°	103.3	177.5	172.2	165.1	156.3
125°	107.7	173.1	190.7	176.6	174.8
127.5°	112.1	166.9	206.6	186.3	185.4
130°	117.4	160.7	219.0	193.4	195.1
132.5°	121.0	156.3	224.3	210.2	202.2
135°	123.6	154.5	223.4	226.0	218.1
137.5°	127.2	152.8	220.8	235.8	232.2
140°	129.8	152.8	215.5	240.2	241.9
142.5°	131.6	151.0	206.6	239.3	245.5
145°	132.5	149.2	194.3	234.0	242.8
147.5°	133.3	148.3	182.8	226.0	237.5
150°	133.3	146.6	174.0	213.7	227.8
152.5°	134.2	145.7	167.8	198.7	211.9
155°	134.2	144.8	162.5	185.4	195.1
157.5°	135.1	143.0	157.2	174.8	181.9
160°	136.0	142.2	153.6	166.0	171.3
162.5°	136.0	141.3	150.1	159.8	163.4
165°	136.0	140.4	147.5	154.5	157.2
167.5°	136.0	139.5	143.9	150.1	151.9
170°	136.9	138.6	141.3	145.7	146.6
172.5°	136.9	137.7	139.5	142.2	142.2
175°	136.9	136.9	137.7	138.6	138.6
177.5°	136.9	136.9	136.9	136.9	136.9
180°	136.0	136.0	136.0	136.0	136.0

(END OF REPORT)