

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: P274942

Luminaire Tested: **J2-WL-40L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274942
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 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3757.2 lumens
Efficiency: N/A
Efficacy: 97.8 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

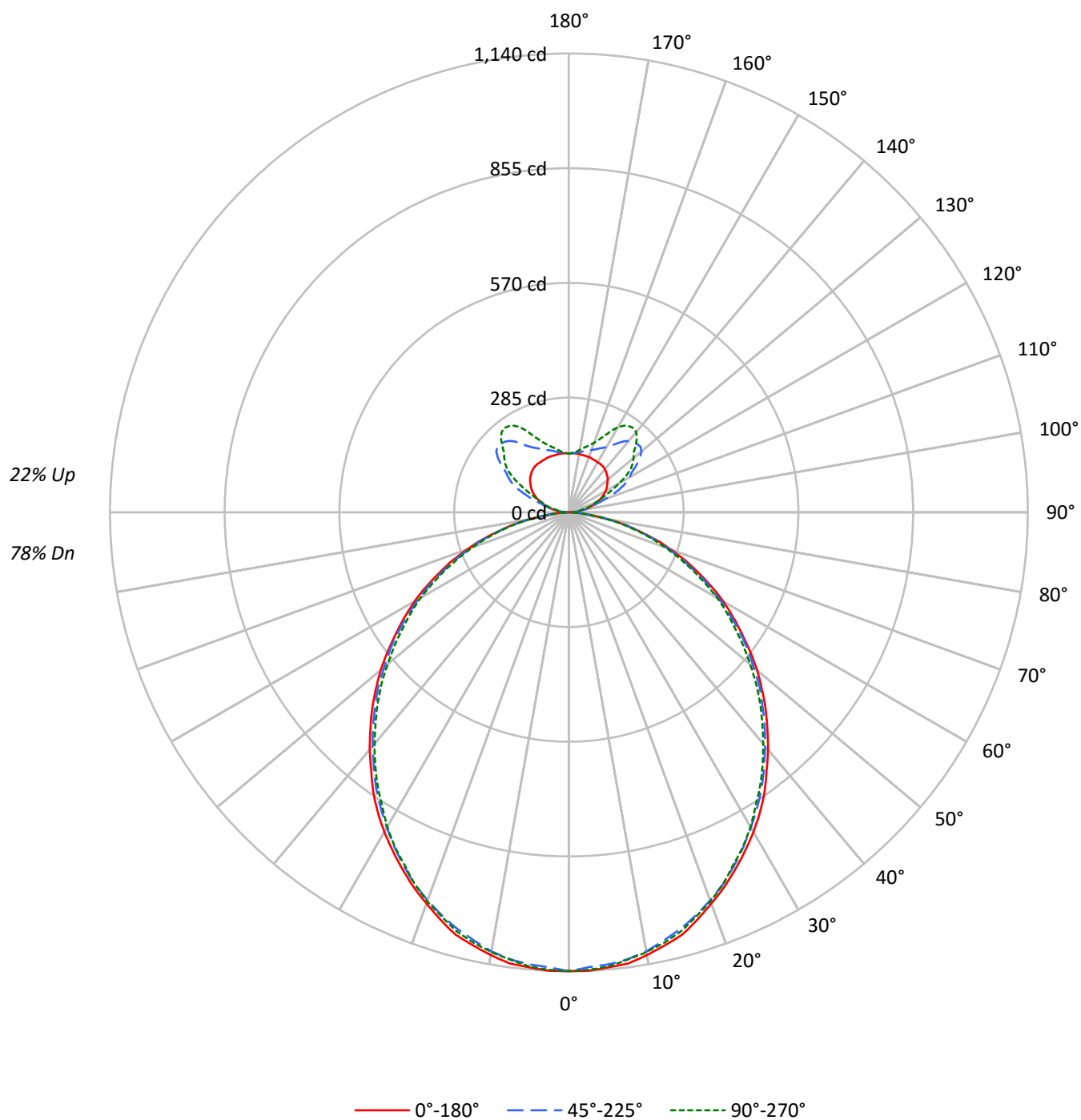
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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°	9202	9202	9202
5°	9198	9136	9175
10°	9157	9079	9094
15°	9082	8954	9002
20°	8887	8814	8838
25°	8715	8639	8606
30°	8545	8431	8413
35°	8352	8230	8165
40°	8110	7991	7911
45°	7888	7768	7671
50°	7664	7520	7377
55°	7372	7279	7106
60°	7140	6972	6880
65°	6779	6598	6453
70°	6316	6161	6026
75°	5624	5536	5477
80°	4500	4542	4412
85°	2899	2992	3075



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	2.9
10°-20°	303.7	8.1
20°-30°	447.9	11.9
30°-40°	523.1	13.9
40°-50°	525.3	14.0
50°-60°	462.4	12.3
60°-70°	343.8	9.2
70°-80°	188.5	5.0
80°-90°	42.9	1.1
90°-100°	21.6	0.6
100°-110°	68.5	1.8
110°-120°	129.1	3.4
120°-130°	162.4	4.3
130°-140°	159.9	4.3
140°-150°	128.9	3.4
150°-160°	82.5	2.2
160°-170°	45.1	1.2
170°-180°	14.3	0.4
0°-30°	858.9	22.9
0°-40°	1382.0	36.8
0°-60°	2369.7	63.1
0°-90°	2944.9	78.4
90°-120°	219.2	5.8
90°-150°	670.4	17.8
90°-180°	812.0	21.6
0°-180°	3757.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1140	1140	1140	1140	1140	
5°	1135	1132	1127	1132	1132	108
15°	1087	1080	1071	1081	1077	305
25°	978	976	970	969	966	451
35°	848	843	835	832	828	529
45°	691	689	680	673	672	533
55°	524	526	517	510	505	469
65°	355	355	345	342	338	352
75°	180	180	178	175	176	192
85°	31	32	32	34	33	40
90°	1	3	4	5	4	3
95°	20	19	19	21	21	20
105°	57	91	59	59	53	60
115°	91	181	142	109	101	90
125°	116	186	205	190	188	104
135°	133	166	240	243	234	103
145°	142	160	209	252	261	89
155°	144	156	175	199	210	67
165°	146	151	158	166	169	41
175°	147	147	148	149	149	14
180°	146	146	146	146	146	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1139.8	1139.8	1139.8	1139.8	1139.8
2.5°	1139.8	1137.9	1131.2	1136.9	1137.9
5°	1135.0	1132.2	1127.4	1132.2	1132.2
7.5°	1130.3	1125.5	1119.8	1122.7	1120.8
10°	1117.0	1115.1	1107.5	1111.3	1109.4
12.5°	1101.8	1098.9	1089.5	1097.0	1095.1
15°	1086.6	1080.0	1071.4	1080.9	1077.1
17.5°	1061.0	1059.1	1049.6	1058.1	1052.4
20°	1034.4	1033.5	1025.9	1029.7	1028.7
22.5°	1007.8	1005.0	1000.2	1001.2	1000.2
25°	978.4	976.5	969.9	968.9	966.1
27.5°	948.1	947.1	937.6	937.6	936.7
30°	916.7	913.9	904.4	904.4	902.5
32.5°	883.5	878.8	870.2	868.3	863.6
35°	847.5	842.7	835.1	832.3	828.5
37.5°	806.7	805.7	796.2	793.4	790.5
40°	769.6	766.8	758.3	755.4	750.7
42.5°	729.8	729.8	719.3	712.7	710.8
45°	690.9	689.0	680.4	672.8	671.9
47.5°	650.1	649.1	642.5	631.1	631.1
50°	610.2	608.3	598.8	591.2	587.4
52.5°	566.6	569.4	559.9	551.4	546.6
55°	523.8	525.7	517.2	509.6	504.9
57.5°	483.0	484.0	474.5	468.8	465.0
60°	442.2	441.3	431.8	427.1	426.1
62.5°	399.5	397.6	390.0	385.3	380.5
65°	354.9	354.9	345.4	341.6	337.8
67.5°	313.2	310.3	303.7	299.9	295.1
70°	267.6	266.7	261.0	258.1	255.3
72.5°	226.8	224.0	221.1	217.3	214.5
75°	180.3	180.3	177.5	174.6	175.6
77.5°	140.5	139.5	136.7	134.8	134.8
80°	96.8	98.7	97.7	96.8	94.9
82.5°	62.6	63.6	60.7	60.7	61.7
85°	31.3	32.3	32.3	34.2	33.2
87.5°	10.4	11.4	13.3	14.2	14.2
90°	0.9	2.8	3.8	4.7	3.8
92.5°	10.4	11.4	14.2	14.2	14.2
95°	19.9	19.0	19.0	20.9	20.9
97.5°	29.4	30.4	23.7	24.7	24.7
100°	38.9	47.5	36.1	29.4	29.4
102.5°	48.4	69.3	47.5	41.8	38.0
105°	56.9	91.1	58.8	58.8	53.1
107.5°	65.5	111.0	74.0	61.7	61.7
110°	74.0	137.6	95.8	74.0	70.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	83.5	163.2	119.6	89.2	83.5
115°	91.1	181.3	142.4	109.1	100.6
117.5°	98.7	188.9	160.4	131.9	120.5
120°	105.3	191.7	173.7	155.6	144.2
122.5°	111.0	190.7	185.1	177.5	168.0
125°	115.8	186.0	205.0	189.8	187.9
127.5°	120.5	179.4	222.1	200.2	199.3
130°	126.2	172.7	235.4	207.8	209.7
132.5°	130.0	168.0	241.0	225.9	217.3
135°	132.9	166.1	240.1	242.9	234.4
137.5°	136.7	164.2	237.3	253.4	249.6
140°	139.5	164.2	231.6	258.1	260.0
142.5°	141.4	162.3	222.1	257.2	263.8
145°	142.4	160.4	208.8	251.5	261.0
147.5°	143.3	159.4	196.4	242.9	255.3
150°	143.3	157.5	187.0	229.7	244.8
152.5°	144.2	156.6	180.3	213.5	227.8
155°	144.2	155.6	174.6	199.3	209.7
157.5°	145.2	153.7	168.9	187.9	195.5
160°	146.1	152.8	165.1	178.4	184.1
162.5°	146.1	151.8	161.3	171.8	175.6
165°	146.1	150.9	158.5	166.1	168.9
167.5°	146.1	149.9	154.7	161.3	163.2
170°	147.1	149.0	151.8	156.6	157.5
172.5°	147.1	148.0	149.9	152.8	152.8
175°	147.1	147.1	148.0	149.0	149.0
177.5°	147.1	147.1	147.1	147.1	147.1
180°	146.1	146.1	146.1	146.1	146.1

(END OF REPORT)