

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: P274940

Luminaire Tested: **J2-WL-40L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274940
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3658.2 lumens
Efficiency: N/A
Efficacy: 97.6 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

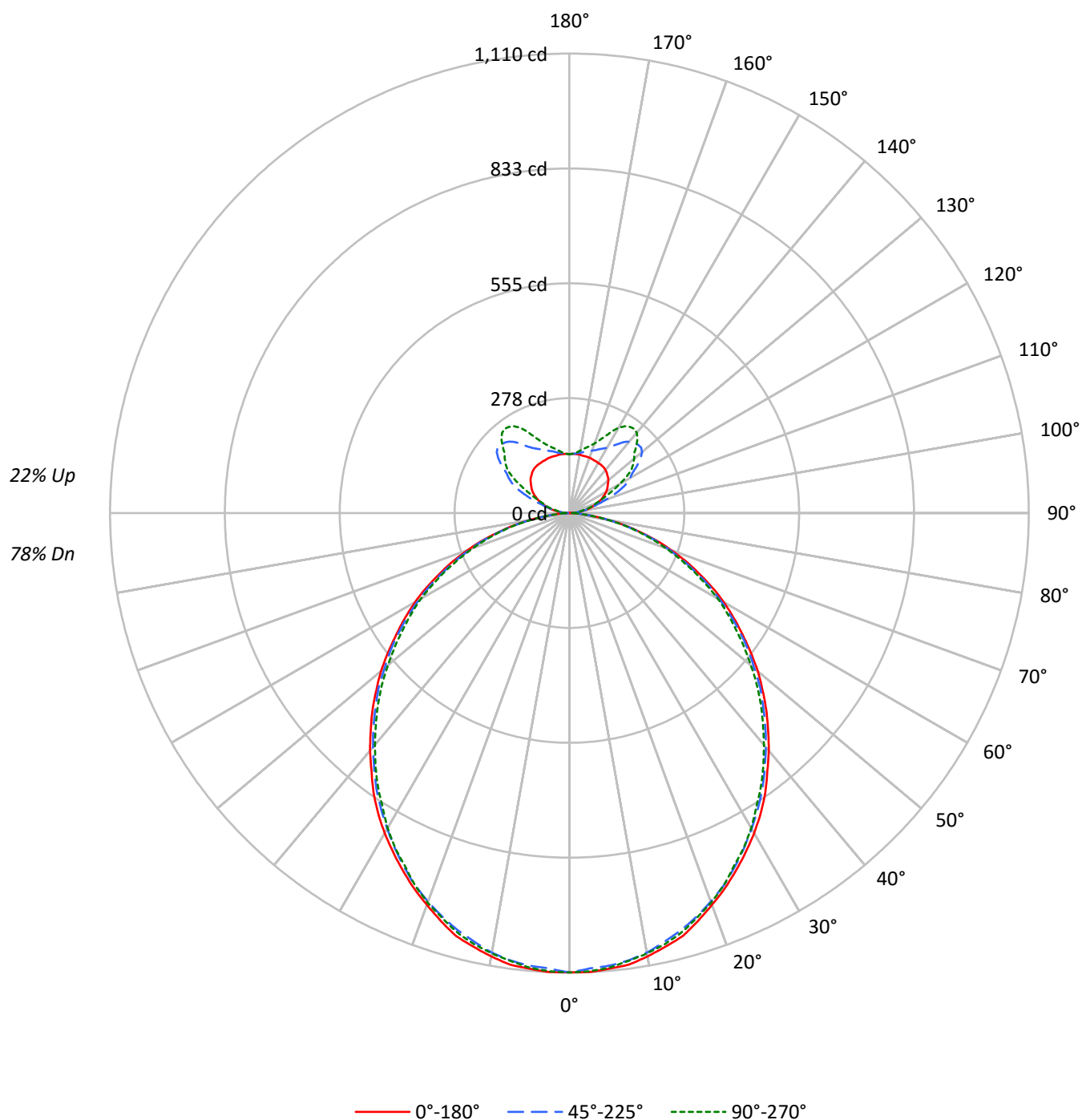
Input Watts (W): 37.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8959	8959	8959
5°	8955	8896	8933
10°	8915	8839	8855
15°	8842	8719	8765
20°	8653	8581	8605
25°	8485	8411	8378
30°	8321	8209	8191
35°	8132	8013	7950
40°	7898	7781	7703
45°	7680	7564	7469
50°	7461	7322	7184
55°	7178	7088	6919
60°	6952	6788	6699
65°	6602	6424	6283
70°	6151	5998	5868
75°	5477	5390	5331
80°	4379	4426	4296
85°	2825	2908	2992



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.6	2.9
10°-20°	295.7	8.1
20°-30°	436.1	11.9
30°-40°	509.3	13.9
40°-50°	511.5	14.0
50°-60°	450.2	12.3
60°-70°	334.8	9.2
70°-80°	183.5	5.0
80°-90°	41.8	1.1
90°-100°	21.1	0.6
100°-110°	66.7	1.8
110°-120°	125.7	3.4
120°-130°	158.1	4.3
130°-140°	155.7	4.3
140°-150°	125.5	3.4
150°-160°	80.3	2.2
160°-170°	43.9	1.2
170°-180°	13.9	0.4
0°-30°	836.3	22.9
0°-40°	1345.6	36.8
0°-60°	2307.3	63.1
0°-90°	2867.3	78.4
90°-120°	213.4	5.8
90°-150°	652.8	17.8
90°-180°	791.0	21.6
0°-180°	3658.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1110	1110	1110	1110	1110	
5°	1105	1102	1098	1102	1102	105
15°	1058	1052	1043	1052	1049	297
25°	953	951	944	943	941	439
35°	825	820	813	810	807	515
45°	673	671	662	655	654	519
55°	510	512	504	496	492	457
65°	346	346	336	333	329	343
75°	176	176	173	170	171	187
85°	30	31	31	33	32	39
90°	1	3	4	5	4	3
95°	19	18	18	20	20	20
105°	55	89	57	57	52	58
115°	89	176	139	106	98	88
125°	113	181	200	185	183	101
135°	129	162	234	236	228	100
145°	139	156	203	245	254	87
155°	140	152	170	194	204	65
165°	142	147	154	162	164	40
175°	143	143	144	145	145	14
180°	142	142	142	142	142	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1109.7	1109.7	1109.7	1109.7	1109.7
2.5°	1109.7	1107.9	1101.4	1107.0	1107.9
5°	1105.1	1102.3	1097.7	1102.3	1102.3
7.5°	1100.5	1095.9	1090.3	1093.1	1091.2
10°	1087.5	1085.7	1078.3	1082.0	1080.2
12.5°	1072.8	1070.0	1060.8	1068.1	1066.3
15°	1058.0	1051.5	1043.2	1052.4	1048.7
17.5°	1033.0	1031.2	1021.9	1030.3	1024.7
20°	1007.2	1006.2	998.8	1002.5	1001.6
22.5°	981.3	978.5	973.9	974.8	973.9
25°	952.6	950.8	944.3	943.4	940.6
27.5°	923.1	922.2	912.9	912.9	912.0
30°	892.6	889.8	880.6	880.6	878.7
32.5°	860.2	855.6	847.3	845.5	840.8
35°	825.1	820.5	813.1	810.3	806.7
37.5°	785.4	784.5	775.2	772.5	769.7
40°	749.4	746.6	738.3	735.5	730.9
42.5°	710.6	710.6	700.4	693.9	692.1
45°	672.7	670.8	662.5	655.1	654.2
47.5°	632.9	632.0	625.5	614.5	614.5
50°	594.1	592.3	583.0	575.7	572.0
52.5°	551.6	554.4	545.2	536.8	532.2
55°	510.0	511.9	503.6	496.2	491.6
57.5°	470.3	471.2	462.0	456.5	452.8
60°	430.6	429.7	420.4	415.8	414.9
62.5°	389.0	387.2	379.8	375.1	370.5
65°	345.6	345.6	336.3	332.6	328.9
67.5°	304.9	302.1	295.7	292.0	287.4
70°	260.6	259.6	254.1	251.3	248.6
72.5°	220.8	218.1	215.3	211.6	208.8
75°	175.6	175.6	172.8	170.0	170.9
77.5°	136.8	135.8	133.1	131.2	131.2
80°	94.2	96.1	95.2	94.2	92.4
82.5°	61.0	61.9	59.1	59.1	60.1
85°	30.5	31.4	31.4	33.3	32.3
87.5°	10.2	11.1	12.9	13.9	13.9
90°	0.9	2.8	3.7	4.6	3.7
92.5°	10.2	11.1	13.9	13.9	13.9
95°	19.4	18.5	18.5	20.3	20.3
97.5°	28.6	29.6	23.1	24.0	24.0
100°	37.9	46.2	35.1	28.6	28.6
102.5°	47.1	67.5	46.2	40.7	37.0
105°	55.4	88.7	57.3	57.3	51.7
107.5°	63.8	108.1	72.1	60.1	60.1
110°	72.1	134.0	93.3	72.1	68.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	81.3	158.9	116.4	86.9	81.3
115°	88.7	176.5	138.6	106.3	97.9
117.5°	96.1	183.9	156.2	128.4	117.3
120°	102.6	186.6	169.1	151.5	140.4
122.5°	108.1	185.7	180.2	172.8	163.5
125°	112.7	181.1	199.6	184.8	183.0
127.5°	117.3	174.6	216.2	195.0	194.0
130°	122.9	168.2	229.2	202.4	204.2
132.5°	126.6	163.5	234.7	219.9	211.6
135°	129.4	161.7	233.8	236.5	228.2
137.5°	133.1	159.9	231.0	246.7	243.0
140°	135.8	159.9	225.5	251.3	253.2
142.5°	137.7	158.0	216.2	250.4	256.9
145°	138.6	156.2	203.3	244.9	254.1
147.5°	139.5	155.2	191.3	236.5	248.6
150°	139.5	153.4	182.0	223.6	238.4
152.5°	140.4	152.5	175.6	207.9	221.8
155°	140.4	151.5	170.0	194.0	204.2
157.5°	141.4	149.7	164.5	183.0	190.3
160°	142.3	148.8	160.8	173.7	179.3
162.5°	142.3	147.8	157.1	167.2	170.9
165°	142.3	146.9	154.3	161.7	164.5
167.5°	142.3	146.0	150.6	157.1	158.9
170°	143.2	145.1	147.8	152.5	153.4
172.5°	143.2	144.1	146.0	148.8	148.8
175°	143.2	143.2	144.1	145.1	145.1
177.5°	143.2	143.2	143.2	143.2	143.2
180°	142.3	142.3	142.3	142.3	142.3

(END OF REPORT)