

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: P274913

Luminaire Tested: **J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274913
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-40L82765-1D-UNV-W2A-DLED-W-4 (3500K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3561.3 lumens
Efficiency: N/A
Efficacy: 96.5 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

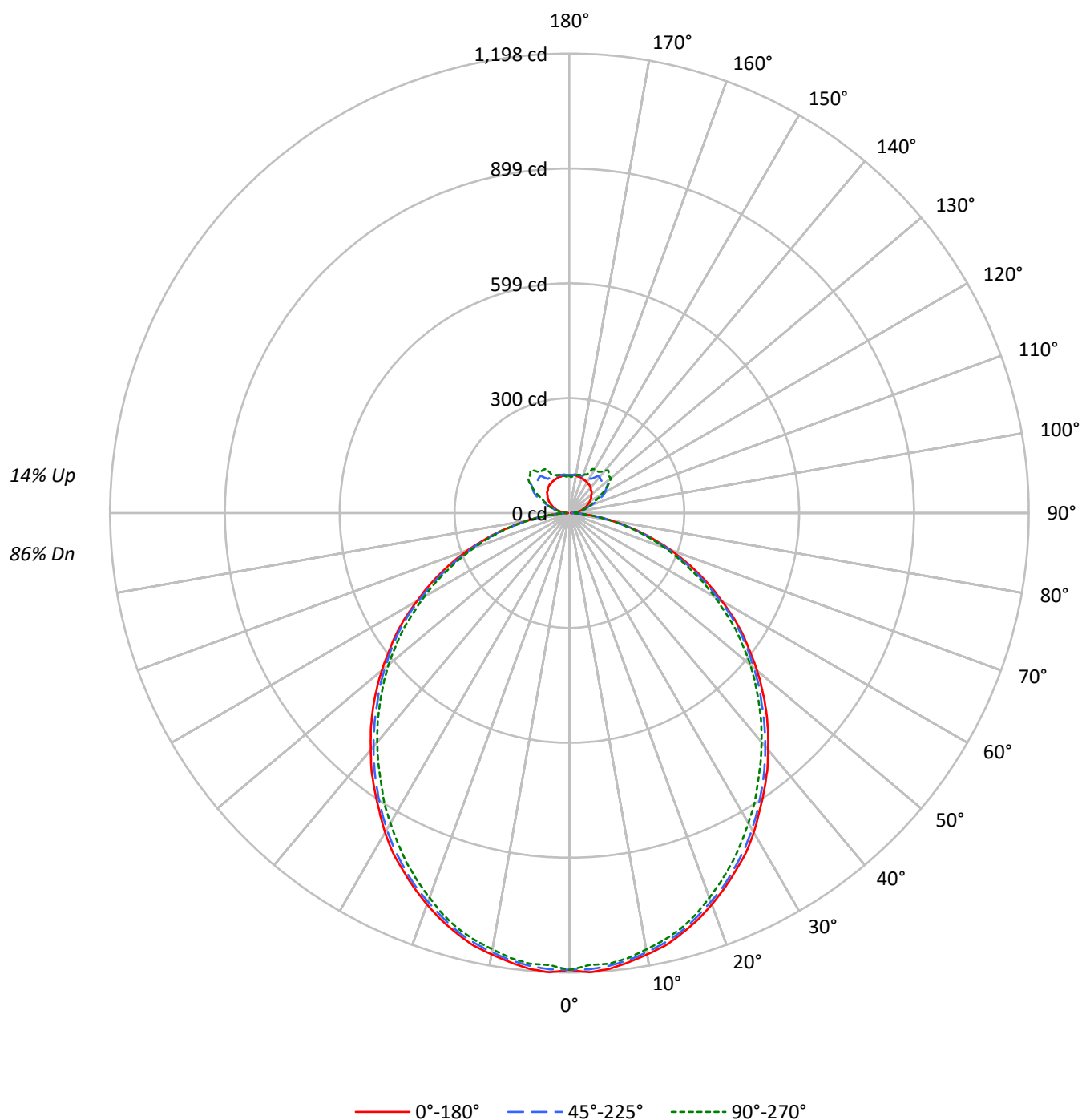
Input Watts (W): 36.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10		
RCR																									
0	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	86							
1	106	101	97	94	102	98	94	91	91	88	85	85	83	80	79	77	76	73							
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64	61							
3	88	78	70	64	85	75	68	62	71	65	60	66	61	57	62	58	54	52							
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47	44							
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	50	45	41	38							
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	34							
7	64	51	42	36	61	49	41	36	46	39	34	44	38	33	41	36	32	30							
8	59	46	38	32	57	45	37	32	42	36	31	40	34	30	38	33	29	27							
9	55	42	34	29	53	41	34	29	39	32	28	37	31	27	35	30	26	24							
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	27	24	22							

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9615	9615	9615
5°	9667	9605	9560
10°	9578	9532	9471
15°	9483	9436	9373
20°	9328	9264	9167
25°	9153	9086	8952
30°	8966	8878	8703
35°	8720	8627	8442
40°	8493	8374	8216
45°	8278	8107	7978
50°	8022	7880	7739
55°	7773	7668	7455
60°	7401	7279	7067
65°	7070	6890	6674
70°	6607	6430	6208
75°	5976	5861	5683
80°	5067	4979	4891
85°	3825	4001	3825



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.2	3.2
10°-20°	317.0	8.9
20°-30°	467.5	13.1
30°-40°	544.9	15.3
40°-50°	547.9	15.4
50°-60°	482.5	13.5
60°-70°	356.1	10.0
70°-80°	197.3	5.5
80°-90°	51.4	1.4
90°-100°	18.2	0.5
100°-110°	47.1	1.3
110°-120°	76.4	2.1
120°-130°	95.5	2.7
130°-140°	89.7	2.5
140°-150°	70.7	2.0
150°-160°	48.7	1.4
160°-170°	28.7	0.8
170°-180°	9.5	0.3
0°-30°	896.7	25.2
0°-40°	1441.6	40.5
0°-60°	2471.9	69.4
0°-90°	3076.7	86.4
90°-120°	141.8	4.0
90°-150°	397.7	11.2
90°-180°	485.0	13.6
0°-180°	3561.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1191	1191	1191	1191	1191	
5°	1193	1180	1185	1182	1180	113
15°	1135	1123	1129	1123	1122	320
25°	1028	1018	1020	1007	1005	474
35°	885	877	875	860	857	554
45°	725	718	710	701	699	559
55°	552	547	545	534	530	492
65°	370	366	361	353	349	366
75°	192	190	188	182	182	203
85°	41	43	43	41	41	48
90°	4	8	8	8	8	4
95°	13	15	17	17	17	14
105°	36	49	43	47	43	38
115°	53	84	86	75	73	53
125°	70	96	118	122	120	62
135°	81	90	118	146	145	62
145°	90	94	113	130	132	56
155°	94	98	103	111	111	44
165°	98	98	103	105	103	28
175°	100	100	100	100	96	10
180°	98	98	98	98	98	



TEST NUMBER: P274913

CATALOG NUMBER: J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1191.0	1191.0	1191.0	1191.0	1191.0
2.5°	1198.5	1185.3	1191.0	1187.2	1179.7
5°	1192.9	1179.7	1185.3	1181.6	1179.7
7.5°	1181.6	1170.3	1176.0	1172.2	1170.3
10°	1168.4	1157.2	1162.8	1157.2	1155.3
12.5°	1155.3	1142.1	1147.8	1140.3	1140.3
15°	1134.6	1123.4	1129.0	1123.4	1121.5
17.5°	1112.1	1100.8	1104.6	1098.9	1097.1
20°	1085.8	1074.5	1078.3	1070.8	1067.0
22.5°	1057.6	1048.2	1052.0	1038.8	1036.9
25°	1027.6	1018.2	1020.0	1006.9	1005.0
27.5°	997.5	984.3	988.1	973.1	969.3
30°	961.8	950.5	952.4	937.4	933.6
32.5°	922.4	914.8	914.8	899.8	897.9
35°	884.8	877.3	875.4	860.4	856.6
37.5°	847.2	837.8	835.9	819.0	819.0
40°	805.9	798.4	794.6	781.5	779.6
42.5°	766.4	757.0	753.3	740.1	740.1
45°	725.1	717.6	710.1	700.7	698.8
47.5°	681.9	674.4	670.6	659.4	657.5
50°	638.7	633.1	627.4	618.0	616.2
52.5°	593.6	589.9	586.1	576.7	571.1
55°	552.3	546.6	544.8	533.5	529.7
57.5°	507.2	501.6	499.7	486.5	480.9
60°	458.4	452.7	450.8	439.6	437.7
62.5°	415.2	409.5	405.8	398.2	394.5
65°	370.1	366.3	360.7	353.2	349.4
67.5°	325.0	321.2	315.6	310.0	306.2
70°	279.9	276.1	272.4	264.9	263.0
72.5°	234.8	231.1	227.3	223.5	223.5
75°	191.6	189.7	187.9	182.2	182.2
77.5°	148.4	146.5	144.6	142.8	142.8
80°	109.0	109.0	107.1	105.2	105.2
82.5°	73.3	73.3	73.3	71.4	71.4
85°	41.3	43.2	43.2	41.3	41.3
87.5°	16.9	16.9	16.9	16.9	16.9
90°	3.8	7.5	7.5	7.5	7.5
92.5°	7.5	9.4	11.3	13.1	11.3
95°	13.1	15.0	16.9	16.9	16.9
97.5°	20.7	22.5	22.5	22.5	22.5
100°	26.3	30.1	28.2	30.1	28.2
102.5°	31.9	39.4	39.4	35.7	35.7
105°	35.7	48.8	43.2	47.0	43.2
107.5°	39.4	60.1	50.7	52.6	54.5
110°	45.1	67.6	62.0	56.4	58.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	48.8	82.7	73.3	65.7	63.9
115°	52.6	84.5	86.4	75.1	73.3
117.5°	58.2	84.5	97.7	88.3	84.5
120°	62.0	90.2	107.1	99.6	95.8
122.5°	65.7	93.9	112.7	112.7	109.0
125°	69.5	95.8	118.3	122.1	120.2
127.5°	71.4	90.2	127.7	133.4	131.5
130°	75.1	86.4	125.9	135.3	140.9
132.5°	78.9	88.3	122.1	137.1	140.9
135°	80.8	90.2	118.3	146.5	144.6
137.5°	82.7	92.0	120.2	140.9	150.3
140°	86.4	92.0	122.1	133.4	144.6
142.5°	88.3	93.9	122.1	127.7	135.3
145°	90.2	93.9	112.7	129.6	131.5
147.5°	90.2	95.8	105.2	131.5	131.5
150°	92.0	95.8	105.2	131.5	131.5
152.5°	93.9	97.7	103.3	114.6	129.6
155°	93.9	97.7	103.3	110.8	110.8
157.5°	95.8	97.7	103.3	109.0	109.0
160°	95.8	97.7	103.3	107.1	105.2
162.5°	97.7	97.7	101.4	105.2	103.3
165°	97.7	97.7	103.3	105.2	103.3
167.5°	97.7	99.6	101.4	103.3	101.4
170°	99.6	99.6	101.4	101.4	99.6
172.5°	99.6	99.6	101.4	99.6	97.7
175°	99.6	99.6	99.6	99.6	95.8
177.5°	99.6	97.7	99.6	97.7	93.9
180°	97.7	97.7	97.7	97.7	97.7

(END OF REPORT)