

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: P274918

Luminaire Tested: **J2-WL-40L82765-1D-UNV-W2A-DLED-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274918
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 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3809.2 lumens
Efficiency: N/A
Efficacy: 99.5 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

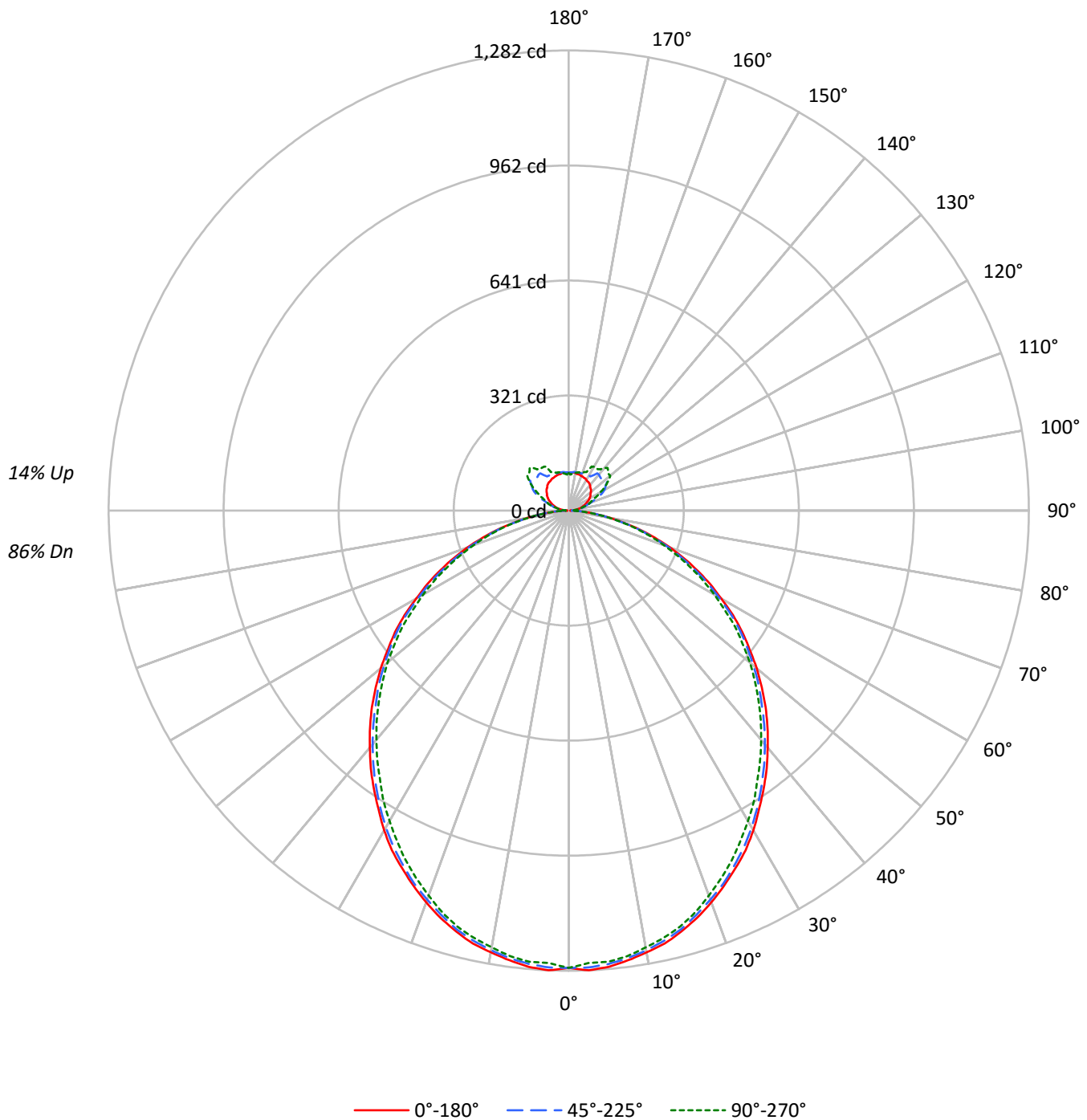
Input Watts (W): 38.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10284	10284	10284
5°	10340	10275	10225
10°	10245	10195	10130
15°	10143	10093	10025
20°	9978	9908	9805
25°	9790	9718	9576
30°	9589	9496	9309
35°	9327	9227	9029
40°	9084	8957	8787
45°	8855	8671	8533
50°	8580	8429	8277
55°	8314	8201	7975
60°	7916	7786	7560
65°	7561	7370	7138
70°	7067	6876	6640
75°	6391	6266	6079
80°	5416	5323	5230
85°	4094	4279	4094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	3.2
10°-20°	339.0	8.9
20°-30°	500.1	13.1
30°-40°	582.8	15.3
40°-50°	586.0	15.4
50°-60°	516.0	13.5
60°-70°	380.9	10.0
70°-80°	211.0	5.5
80°-90°	54.9	1.4
90°-100°	19.5	0.5
100°-110°	50.4	1.3
110°-120°	81.8	2.1
120°-130°	102.1	2.7
130°-140°	95.9	2.5
140°-150°	75.6	2.0
150°-160°	52.1	1.4
160°-170°	30.7	0.8
170°-180°	10.2	0.3
0°-30°	959.1	25.2
0°-40°	1541.9	40.5
0°-60°	2643.9	69.4
0°-90°	3290.8	86.4
90°-120°	151.6	4.0
90°-150°	425.4	11.2
90°-180°	518.0	13.6
0°-180°	3809.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1274	1274	1274	1274	1274	
5°	1276	1262	1268	1264	1262	121
15°	1214	1202	1208	1202	1200	342
25°	1099	1089	1091	1077	1075	506
35°	946	938	936	920	916	592
45°	776	768	760	750	747	598
55°	591	585	583	571	567	527
65°	396	392	386	378	374	391
75°	205	203	201	195	195	217
85°	44	46	46	44	44	52
90°	4	8	8	8	8	5
95°	14	16	18	18	18	15
105°	38	52	46	50	46	40
115°	56	90	92	80	78	56
125°	74	102	127	131	129	66
135°	86	96	127	157	155	67
145°	96	100	121	139	141	60
155°	100	104	110	118	118	47
165°	104	104	110	112	110	30
175°	106	106	106	106	102	10
180°	104	104	104	104	104	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1273.9	1273.9	1273.9	1273.9	1273.9
2.5°	1281.9	1267.9	1273.9	1269.9	1261.8
5°	1275.9	1261.8	1267.9	1263.8	1261.8
7.5°	1263.8	1251.8	1257.8	1253.8	1251.8
10°	1249.8	1237.7	1243.7	1237.7	1235.7
12.5°	1235.7	1221.6	1227.7	1219.6	1219.6
15°	1213.6	1201.5	1207.6	1201.5	1199.5
17.5°	1189.5	1177.4	1181.5	1175.4	1173.4
20°	1161.4	1149.3	1153.3	1145.3	1141.3
22.5°	1131.2	1121.2	1125.2	1111.1	1109.1
25°	1099.1	1089.0	1091.0	1077.0	1075.0
27.5°	1066.9	1052.9	1056.9	1040.8	1036.8
30°	1028.7	1016.7	1018.7	1002.6	998.6
32.5°	986.6	978.5	978.5	962.4	960.4
35°	946.4	938.3	936.3	920.2	916.2
37.5°	906.2	896.1	894.1	876.0	876.0
40°	862.0	853.9	849.9	835.9	833.8
42.5°	819.8	809.7	805.7	791.7	791.7
45°	775.6	767.5	759.5	749.5	747.4
47.5°	729.4	721.3	717.3	705.3	703.2
50°	683.2	677.1	671.1	661.1	659.0
52.5°	634.9	630.9	626.9	616.8	610.8
55°	590.7	584.7	582.7	570.6	566.6
57.5°	542.5	536.5	534.5	520.4	514.4
60°	490.3	484.2	482.2	470.2	468.2
62.5°	444.0	438.0	434.0	426.0	421.9
65°	395.8	391.8	385.8	377.7	373.7
67.5°	347.6	343.6	337.6	331.5	327.5
70°	299.4	295.4	291.3	283.3	281.3
72.5°	251.2	247.1	243.1	239.1	239.1
75°	204.9	202.9	200.9	194.9	194.9
77.5°	158.7	156.7	154.7	152.7	152.7
80°	116.5	116.5	114.5	112.5	112.5
82.5°	78.4	78.4	78.4	76.4	76.4
85°	44.2	46.2	46.2	44.2	44.2
87.5°	18.1	18.1	18.1	18.1	18.1
90°	4.0	8.0	8.0	8.0	8.0
92.5°	8.0	10.0	12.1	14.1	12.1
95°	14.1	16.1	18.1	18.1	18.1
97.5°	22.1	24.1	24.1	24.1	24.1
100°	28.1	32.1	30.1	32.1	30.1
102.5°	34.2	42.2	42.2	38.2	38.2
105°	38.2	52.2	46.2	50.2	46.2
107.5°	42.2	64.3	54.3	56.3	58.3
110°	48.2	72.3	66.3	60.3	62.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	52.2	88.4	78.4	70.3	68.3
115°	56.3	90.4	92.4	80.4	78.4
117.5°	62.3	90.4	104.5	94.4	90.4
120°	66.3	96.4	114.5	106.5	102.5
122.5°	70.3	100.5	120.6	120.6	116.5
125°	74.3	102.5	126.6	130.6	128.6
127.5°	76.4	96.4	136.6	142.7	140.6
130°	80.4	92.4	134.6	144.7	150.7
132.5°	84.4	94.4	130.6	146.7	150.7
135°	86.4	96.4	126.6	156.7	154.7
137.5°	88.4	98.5	128.6	150.7	160.7
140°	92.4	98.5	130.6	142.7	154.7
142.5°	94.4	100.5	130.6	136.6	144.7
145°	96.4	100.5	120.6	138.6	140.6
147.5°	96.4	102.5	112.5	140.6	140.6
150°	98.5	102.5	112.5	140.6	140.6
152.5°	100.5	104.5	110.5	122.6	138.6
155°	100.5	104.5	110.5	118.5	118.5
157.5°	102.5	104.5	110.5	116.5	116.5
160°	102.5	104.5	110.5	114.5	112.5
162.5°	104.5	104.5	108.5	112.5	110.5
165°	104.5	104.5	110.5	112.5	110.5
167.5°	104.5	106.5	108.5	110.5	108.5
170°	106.5	106.5	108.5	108.5	106.5
172.5°	106.5	106.5	108.5	106.5	104.5
175°	106.5	106.5	106.5	106.5	102.5
177.5°	106.5	104.5	106.5	104.5	100.5
180°	104.5	104.5	104.5	104.5	104.5

(END OF REPORT)