

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: P274950

Luminaire Tested: **J2-WL-50L82765-1D-UNV-W2A-DLED-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274950
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-50L82765-1D-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: 4819.8 lumens
Efficiency: N/A
Efficacy: 91.1 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

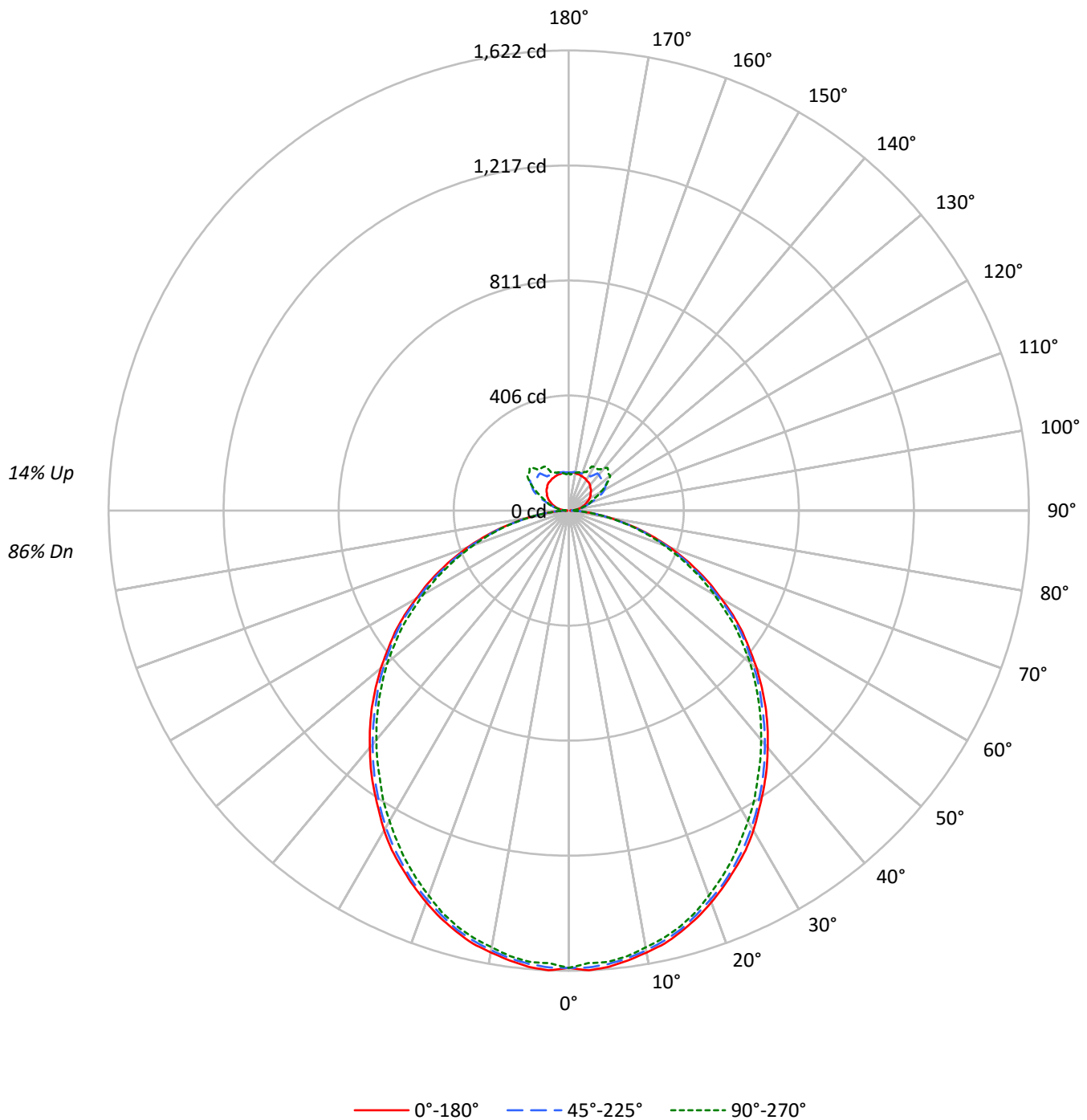
Input Watts (W): 52.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13012	13012	13012
5°	13083	13000	12938
10°	12963	12900	12817
15°	12833	12770	12685
20°	12624	12537	12405
25°	12387	12297	12115
30°	12134	12015	11778
35°	11801	11676	11425
40°	11493	11333	11119
45°	11203	10972	10797
50°	10856	10664	10473
55°	10519	10377	10090
60°	10015	9852	9565
65°	9566	9324	9033
70°	8941	8700	8401
75°	8088	7929	7692
80°	6857	6736	6620
85°	5178	5419	5178



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.8	3.2
10°-20°	429.0	8.9
20°-30°	632.7	13.1
30°-40°	737.4	15.3
40°-50°	741.4	15.4
50°-60°	652.9	13.5
60°-70°	482.0	10.0
70°-80°	267.0	5.5
80°-90°	69.5	1.4
90°-100°	24.7	0.5
100°-110°	63.7	1.3
110°-120°	103.4	2.1
120°-130°	129.2	2.7
130°-140°	121.4	2.5
140°-150°	95.7	2.0
150°-160°	65.9	1.4
160°-170°	38.9	0.8
170°-180°	12.8	0.3
0°-30°	1213.5	25.2
0°-40°	1951.0	40.5
0°-60°	3345.3	69.4
0°-90°	4163.9	86.4
90°-120°	191.9	4.0
90°-150°	538.2	11.2
90°-180°	656.0	13.6
0°-180°	4819.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1612	1612	1612	1612	1612	
5°	1614	1597	1604	1599	1597	153
15°	1536	1520	1528	1520	1518	433
25°	1391	1378	1380	1363	1360	641
35°	1197	1187	1185	1164	1159	749
45°	981	971	961	948	946	756
55°	747	740	737	722	717	666
65°	501	496	488	478	473	495
75°	259	257	254	247	247	274
85°	56	58	58	56	56	65
90°	5	10	10	10	10	6
95°	18	20	23	23	23	19
105°	48	66	58	64	58	51
115°	71	114	117	102	99	71
125°	94	130	160	165	163	83
135°	109	122	160	198	196	85
145°	122	127	152	175	178	76
155°	127	132	140	150	150	59
165°	132	132	140	142	140	37
175°	135	135	135	135	130	13
180°	132	132	132	132	132	



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CATALOG NUMBER: J2-WL-50L82765-1D-UNV-W2A-DLED-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1611.8	1611.8	1611.8	1611.8	1611.8
2.5°	1622.0	1604.2	1611.8	1606.7	1596.6
5°	1614.4	1596.6	1604.2	1599.1	1596.6
7.5°	1599.1	1583.9	1591.5	1586.4	1583.9
10°	1581.3	1566.1	1573.7	1566.1	1563.5
12.5°	1563.5	1545.7	1553.3	1543.2	1543.2
15°	1535.5	1520.3	1527.9	1520.3	1517.8
17.5°	1505.0	1489.8	1494.9	1487.2	1484.7
20°	1469.4	1454.2	1459.3	1449.1	1444.0
22.5°	1431.3	1418.6	1423.7	1405.9	1403.3
25°	1390.6	1377.9	1380.5	1362.7	1360.1
27.5°	1350.0	1332.2	1337.2	1316.9	1311.8
30°	1301.7	1286.4	1288.9	1268.6	1263.5
32.5°	1248.3	1238.1	1238.1	1217.8	1215.2
35°	1197.4	1187.3	1184.7	1164.4	1159.3
37.5°	1146.6	1133.9	1131.3	1108.4	1108.4
40°	1090.6	1080.5	1075.4	1057.6	1055.1
42.5°	1037.3	1024.5	1019.5	1001.7	1001.7
45°	981.3	971.2	961.0	948.3	945.7
47.5°	922.9	912.7	907.6	892.3	889.8
50°	864.4	856.8	849.1	836.4	833.9
52.5°	803.4	798.3	793.2	780.5	772.9
55°	747.4	739.8	737.3	722.0	716.9
57.5°	686.4	678.8	676.3	658.5	650.8
60°	620.3	612.7	610.2	594.9	592.4
62.5°	561.8	554.2	549.1	539.0	533.9
65°	500.8	495.7	488.1	478.0	472.9
67.5°	439.8	434.7	427.1	419.5	414.4
70°	378.8	373.7	368.6	358.5	355.9
72.5°	317.8	312.7	307.6	302.5	302.5
75°	259.3	256.8	254.2	246.6	246.6
77.5°	200.8	198.3	195.8	193.2	193.2
80°	147.5	147.5	144.9	142.4	142.4
82.5°	99.1	99.1	99.1	96.6	96.6
85°	55.9	58.5	58.5	55.9	55.9
87.5°	22.9	22.9	22.9	22.9	22.9
90°	5.1	10.2	10.2	10.2	10.2
92.5°	10.2	12.7	15.3	17.8	15.3
95°	17.8	20.3	22.9	22.9	22.9
97.5°	28.0	30.5	30.5	30.5	30.5
100°	35.6	40.7	38.1	40.7	38.1
102.5°	43.2	53.4	53.4	48.3	48.3
105°	48.3	66.1	58.5	63.6	58.5
107.5°	53.4	81.4	68.6	71.2	73.7
110°	61.0	91.5	83.9	76.3	78.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	66.1	111.9	99.1	89.0	86.4
115°	71.2	114.4	116.9	101.7	99.1
117.5°	78.8	114.4	132.2	119.5	114.4
120°	83.9	122.0	144.9	134.7	129.7
122.5°	89.0	127.1	152.5	152.5	147.5
125°	94.1	129.7	160.2	165.2	162.7
127.5°	96.6	122.0	172.9	180.5	178.0
130°	101.7	116.9	170.3	183.0	190.7
132.5°	106.8	119.5	165.2	185.6	190.7
135°	109.3	122.0	160.2	198.3	195.8
137.5°	111.9	124.6	162.7	190.7	203.4
140°	116.9	124.6	165.2	180.5	195.8
142.5°	119.5	127.1	165.2	172.9	183.0
145°	122.0	127.1	152.5	175.4	178.0
147.5°	122.0	129.7	142.4	178.0	178.0
150°	124.6	129.7	142.4	178.0	178.0
152.5°	127.1	132.2	139.8	155.1	175.4
155°	127.1	132.2	139.8	150.0	150.0
157.5°	129.7	132.2	139.8	147.5	147.5
160°	129.7	132.2	139.8	144.9	142.4
162.5°	132.2	132.2	137.3	142.4	139.8
165°	132.2	132.2	139.8	142.4	139.8
167.5°	132.2	134.7	137.3	139.8	137.3
170°	134.7	134.7	137.3	137.3	134.7
172.5°	134.7	134.7	137.3	134.7	132.2
175°	134.7	134.7	134.7	134.7	129.7
177.5°	134.7	132.2	134.7	132.2	127.1
180°	132.2	132.2	132.2	132.2	132.2

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