

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: P274964

Luminaire Tested: **J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274964
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-50L92765-1D-UNV-W2A-DLED-W-4 (5000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
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: 4261.6 lumens
Efficiency: N/A
Efficacy: 82.1 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

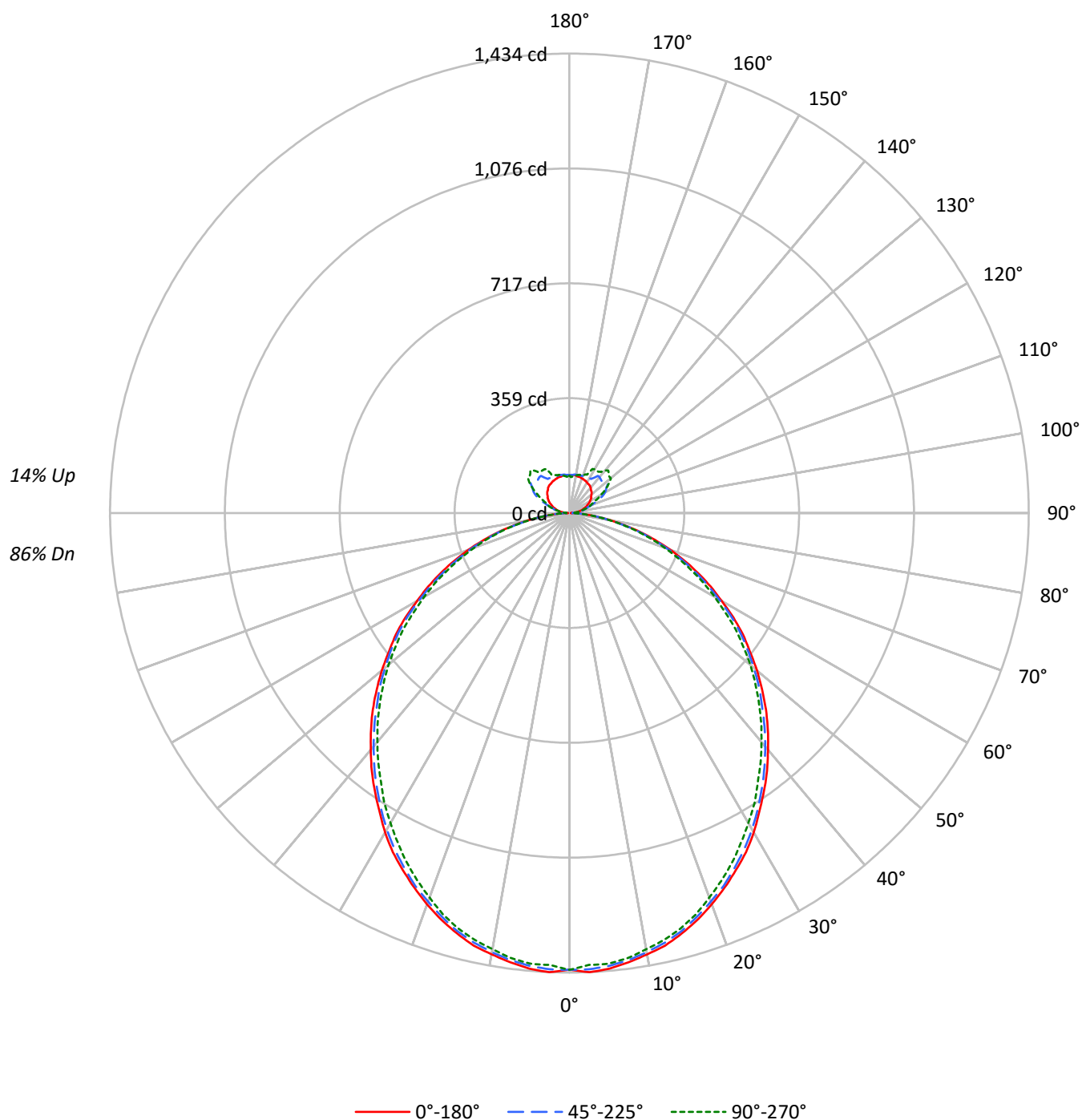
Input Watts (W): 51.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	11506	11506	11506
5°	11567	11494	11440
10°	11462	11407	11333
15°	11347	11291	11216
20°	11162	11085	10969
25°	10953	10873	10712
30°	10728	10624	10414
35°	10435	10323	10103
40°	10163	10021	9831
45°	9906	9701	9547
50°	9599	9430	9260
55°	9302	9175	8922
60°	8856	8711	8457
65°	8458	8245	7987
70°	7905	7692	7428
75°	7152	7012	6800
80°	6062	5955	5853
85°	4585	4789	4585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	3.2
10°-20°	379.3	8.9
20°-30°	559.4	13.1
30°-40°	652.0	15.3
40°-50°	655.6	15.4
50°-60°	577.3	13.5
60°-70°	426.2	10.0
70°-80°	236.1	5.5
80°-90°	61.5	1.4
90°-100°	21.8	0.5
100°-110°	56.3	1.3
110°-120°	91.5	2.1
120°-130°	114.3	2.7
130°-140°	107.3	2.5
140°-150°	84.6	2.0
150°-160°	58.3	1.4
160°-170°	34.4	0.8
170°-180°	11.4	0.3
0°-30°	1073.0	25.2
0°-40°	1725.0	40.5
0°-60°	2958.0	69.4
0°-90°	3681.7	86.4
90°-120°	169.7	4.0
90°-150°	475.9	11.2
90°-180°	580.0	13.6
0°-180°	4261.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1425	1425	1425	1425	1425	
5°	1427	1412	1418	1414	1412	135
15°	1358	1344	1351	1344	1342	383
25°	1230	1218	1221	1205	1203	567
35°	1059	1050	1048	1030	1025	663
45°	868	859	850	838	836	669
55°	661	654	652	638	634	589
65°	443	438	432	423	418	438
75°	229	227	225	218	218	243
85°	50	52	52	50	50	58
90°	4	9	9	9	9	5
95°	16	18	20	20	20	16
105°	43	58	52	56	52	45
115°	63	101	103	90	88	63
125°	83	115	142	146	144	74
135°	97	108	142	175	173	75
145°	108	112	135	155	157	67
155°	112	117	124	133	133	52
165°	117	117	124	126	124	33
175°	119	119	119	119	115	11
180°	117	117	117	117	117	



TEST NUMBER: P274964

CATALOG NUMBER: J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1425.2	1425.2	1425.2	1425.2	1425.2
2.5°	1434.2	1418.4	1425.2	1420.7	1411.7
5°	1427.4	1411.7	1418.4	1413.9	1411.7
7.5°	1413.9	1400.5	1407.2	1402.7	1400.5
10°	1398.2	1384.7	1391.5	1384.7	1382.5
12.5°	1382.5	1366.7	1373.5	1364.5	1364.5
15°	1357.7	1344.3	1351.0	1344.3	1342.0
17.5°	1330.8	1317.3	1321.8	1315.0	1312.8
20°	1299.3	1285.8	1290.3	1281.3	1276.8
22.5°	1265.6	1254.3	1258.8	1243.1	1240.9
25°	1229.6	1218.4	1220.6	1204.9	1202.6
27.5°	1193.6	1177.9	1182.4	1164.4	1159.9
30°	1150.9	1137.4	1139.7	1121.7	1117.2
32.5°	1103.7	1094.7	1094.7	1076.8	1074.5
35°	1058.8	1049.8	1047.5	1029.5	1025.1
37.5°	1013.8	1002.6	1000.3	980.1	980.1
40°	964.4	955.4	950.9	935.1	932.9
42.5°	917.2	905.9	901.4	885.7	885.7
45°	867.7	858.7	849.7	838.5	836.2
47.5°	816.0	807.0	802.5	789.0	786.8
50°	764.3	757.6	750.8	739.6	737.3
52.5°	710.3	705.8	701.4	690.1	683.4
55°	660.9	654.1	651.9	638.4	633.9
57.5°	606.9	600.2	597.9	582.2	575.5
60°	548.5	541.7	539.5	526.0	523.8
62.5°	496.8	490.0	485.6	476.6	472.1
65°	442.8	438.3	431.6	422.6	418.1
67.5°	388.9	384.4	377.7	370.9	366.4
70°	334.9	330.4	325.9	317.0	314.7
72.5°	281.0	276.5	272.0	267.5	267.5
75°	229.3	227.0	224.8	218.0	218.0
77.5°	177.6	175.3	173.1	170.8	170.8
80°	130.4	130.4	128.1	125.9	125.9
82.5°	87.7	87.7	87.7	85.4	85.4
85°	49.5	51.7	51.7	49.5	49.5
87.5°	20.2	20.2	20.2	20.2	20.2
90°	4.5	9.0	9.0	9.0	9.0
92.5°	9.0	11.2	13.5	15.7	13.5
95°	15.7	18.0	20.2	20.2	20.2
97.5°	24.7	27.0	27.0	27.0	27.0
100°	31.5	36.0	33.7	36.0	33.7
102.5°	38.2	47.2	47.2	42.7	42.7
105°	42.7	58.4	51.7	56.2	51.7
107.5°	47.2	71.9	60.7	62.9	65.2
110°	54.0	80.9	74.2	67.4	69.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	58.4	98.9	87.7	78.7	76.4
115°	62.9	101.2	103.4	89.9	87.7
117.5°	69.7	101.2	116.9	105.7	101.2
120°	74.2	107.9	128.1	119.1	114.6
122.5°	78.7	112.4	134.9	134.9	130.4
125°	83.2	114.6	141.6	146.1	143.9
127.5°	85.4	107.9	152.9	159.6	157.4
130°	89.9	103.4	150.6	161.9	168.6
132.5°	94.4	105.7	146.1	164.1	168.6
135°	96.7	107.9	141.6	175.3	173.1
137.5°	98.9	110.1	143.9	168.6	179.8
140°	103.4	110.1	146.1	159.6	173.1
142.5°	105.7	112.4	146.1	152.9	161.9
145°	107.9	112.4	134.9	155.1	157.4
147.5°	107.9	114.6	125.9	157.4	157.4
150°	110.1	114.6	125.9	157.4	157.4
152.5°	112.4	116.9	123.6	137.1	155.1
155°	112.4	116.9	123.6	132.6	132.6
157.5°	114.6	116.9	123.6	130.4	130.4
160°	114.6	116.9	123.6	128.1	125.9
162.5°	116.9	116.9	121.4	125.9	123.6
165°	116.9	116.9	123.6	125.9	123.6
167.5°	116.9	119.1	121.4	123.6	121.4
170°	119.1	119.1	121.4	121.4	119.1
172.5°	119.1	119.1	121.4	119.1	116.9
175°	119.1	119.1	119.1	119.1	114.6
177.5°	119.1	116.9	119.1	116.9	112.4
180°	116.9	116.9	116.9	116.9	116.9

(END OF REPORT)