

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: P274959

Luminaire Tested: **J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274959
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 (2700K)
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 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3616.0 lumens
Efficiency: N/A
Efficacy: 71.5 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

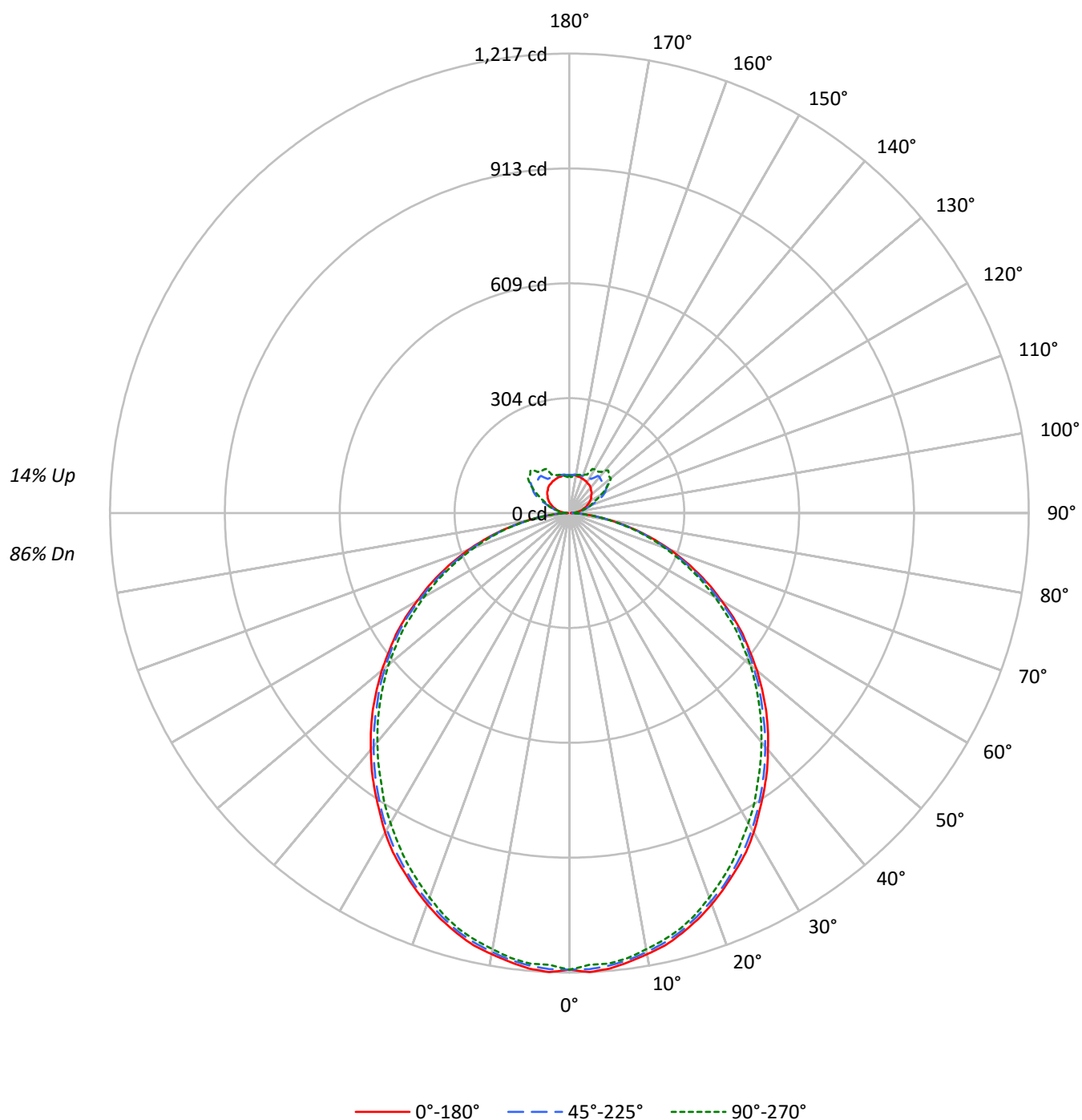
Input Watts (W): 50.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9762	9762	9762
5°	9815	9753	9707
10°	9725	9678	9616
15°	9628	9580	9517
20°	9471	9405	9308
25°	9293	9226	9089
30°	9104	9014	8836
35°	8854	8759	8571
40°	8623	8502	8341
45°	8405	8232	8100
50°	8145	8000	7857
55°	7893	7785	7571
60°	7514	7392	7175
65°	7177	6995	6777
70°	6708	6529	6302
75°	6067	5948	5770
80°	5142	5053	4965
85°	3890	4066	3890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	3.2
10°-20°	321.8	8.9
20°-30°	474.7	13.1
30°-40°	553.3	15.3
40°-50°	556.3	15.4
50°-60°	489.9	13.5
60°-70°	361.6	10.0
70°-80°	200.3	5.5
80°-90°	52.2	1.4
90°-100°	18.5	0.5
100°-110°	47.8	1.3
110°-120°	77.6	2.1
120°-130°	97.0	2.7
130°-140°	91.1	2.5
140°-150°	71.8	2.0
150°-160°	49.5	1.4
160°-170°	29.2	0.8
170°-180°	9.6	0.3
0°-30°	910.4	25.2
0°-40°	1463.7	40.5
0°-60°	2509.8	69.4
0°-90°	3123.9	86.4
90°-120°	144.0	4.0
90°-150°	403.8	11.2
90°-180°	492.0	13.6
0°-180°	3616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1209	1209	1209	1209	1209	
5°	1211	1198	1204	1200	1198	115
15°	1152	1141	1146	1141	1139	325
25°	1043	1034	1036	1022	1020	481
35°	898	891	889	874	870	562
45°	736	729	721	711	710	567
55°	561	555	553	542	538	500
65°	376	372	366	359	355	372
75°	194	193	191	185	185	206
85°	42	44	44	42	42	49
90°	4	8	8	8	8	4
95°	13	15	17	17	17	14
105°	36	50	44	48	44	38
115°	53	86	88	76	74	54
125°	71	97	120	124	122	63
135°	82	92	120	149	147	63
145°	92	95	114	132	134	57
155°	95	99	105	112	112	44
165°	99	99	105	107	105	28
175°	101	101	101	101	97	10
180°	99	99	99	99	99	



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CATALOG NUMBER: J2-WL-50L92765-1D-UNV-W2A-DLED-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1209.2	1209.2	1209.2	1209.2	1209.2
2.5°	1216.9	1203.5	1209.2	1205.4	1197.8
5°	1211.2	1197.8	1203.5	1199.7	1197.8
7.5°	1199.7	1188.3	1194.0	1190.2	1188.3
10°	1186.4	1174.9	1180.6	1174.9	1173.0
12.5°	1173.0	1159.7	1165.4	1157.8	1157.8
15°	1152.0	1140.6	1146.3	1140.6	1138.7
17.5°	1129.1	1117.7	1121.5	1115.8	1113.9
20°	1102.4	1091.0	1094.8	1087.2	1083.4
22.5°	1073.8	1064.3	1068.1	1054.8	1052.8
25°	1043.3	1033.8	1035.7	1022.3	1020.4
27.5°	1012.8	999.4	1003.3	988.0	984.2
30°	976.6	965.1	967.0	951.8	947.9
32.5°	936.5	928.9	928.9	913.6	911.7
35°	898.4	890.7	888.8	873.6	869.7
37.5°	860.2	850.7	848.8	831.6	831.6
40°	818.2	810.6	806.8	793.5	791.5
42.5°	778.2	768.7	764.8	751.5	751.5
45°	736.2	728.6	721.0	711.4	709.5
47.5°	692.4	684.7	680.9	669.5	667.6
50°	648.5	642.8	637.0	627.5	625.6
52.5°	602.7	598.9	595.1	585.6	579.8
55°	560.8	555.0	553.1	541.7	537.9
57.5°	515.0	509.3	507.4	494.0	488.3
60°	465.4	459.7	457.8	446.3	444.4
62.5°	421.5	415.8	412.0	404.4	400.5
65°	375.7	371.9	366.2	358.6	354.8
67.5°	330.0	326.2	320.4	314.7	310.9
70°	284.2	280.4	276.6	268.9	267.0
72.5°	238.4	234.6	230.8	227.0	227.0
75°	194.5	192.6	190.7	185.0	185.0
77.5°	150.7	148.8	146.9	145.0	145.0
80°	110.6	110.6	108.7	106.8	106.8
82.5°	74.4	74.4	74.4	72.5	72.5
85°	42.0	43.9	43.9	42.0	42.0
87.5°	17.2	17.2	17.2	17.2	17.2
90°	3.8	7.6	7.6	7.6	7.6
92.5°	7.6	9.5	11.4	13.4	11.4
95°	13.4	15.3	17.2	17.2	17.2
97.5°	21.0	22.9	22.9	22.9	22.9
100°	26.7	30.5	28.6	30.5	28.6
102.5°	32.4	40.1	40.1	36.2	36.2
105°	36.2	49.6	43.9	47.7	43.9
107.5°	40.1	61.0	51.5	53.4	55.3
110°	45.8	68.7	62.9	57.2	59.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	49.6	83.9	74.4	66.8	64.8
115°	53.4	85.8	87.7	76.3	74.4
117.5°	59.1	85.8	99.2	89.6	85.8
120°	62.9	91.6	108.7	101.1	97.3
122.5°	66.8	95.4	114.4	114.4	110.6
125°	70.6	97.3	120.2	124.0	122.1
127.5°	72.5	91.6	129.7	135.4	133.5
130°	76.3	87.7	127.8	137.3	143.0
132.5°	80.1	89.6	124.0	139.2	143.0
135°	82.0	91.6	120.2	148.8	146.9
137.5°	83.9	93.5	122.1	143.0	152.6
140°	87.7	93.5	124.0	135.4	146.9
142.5°	89.6	95.4	124.0	129.7	137.3
145°	91.6	95.4	114.4	131.6	133.5
147.5°	91.6	97.3	106.8	133.5	133.5
150°	93.5	97.3	106.8	133.5	133.5
152.5°	95.4	99.2	104.9	116.3	131.6
155°	95.4	99.2	104.9	112.5	112.5
157.5°	97.3	99.2	104.9	110.6	110.6
160°	97.3	99.2	104.9	108.7	106.8
162.5°	99.2	99.2	103.0	106.8	104.9
165°	99.2	99.2	104.9	106.8	104.9
167.5°	99.2	101.1	103.0	104.9	103.0
170°	101.1	101.1	103.0	103.0	101.1
172.5°	101.1	101.1	103.0	101.1	99.2
175°	101.1	101.1	101.1	101.1	97.3
177.5°	101.1	99.2	101.1	99.2	95.4
180°	99.2	99.2	99.2	99.2	99.2

(END OF REPORT)