

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: P274958

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-13)
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-W-4 (6500K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
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: 5234.8 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

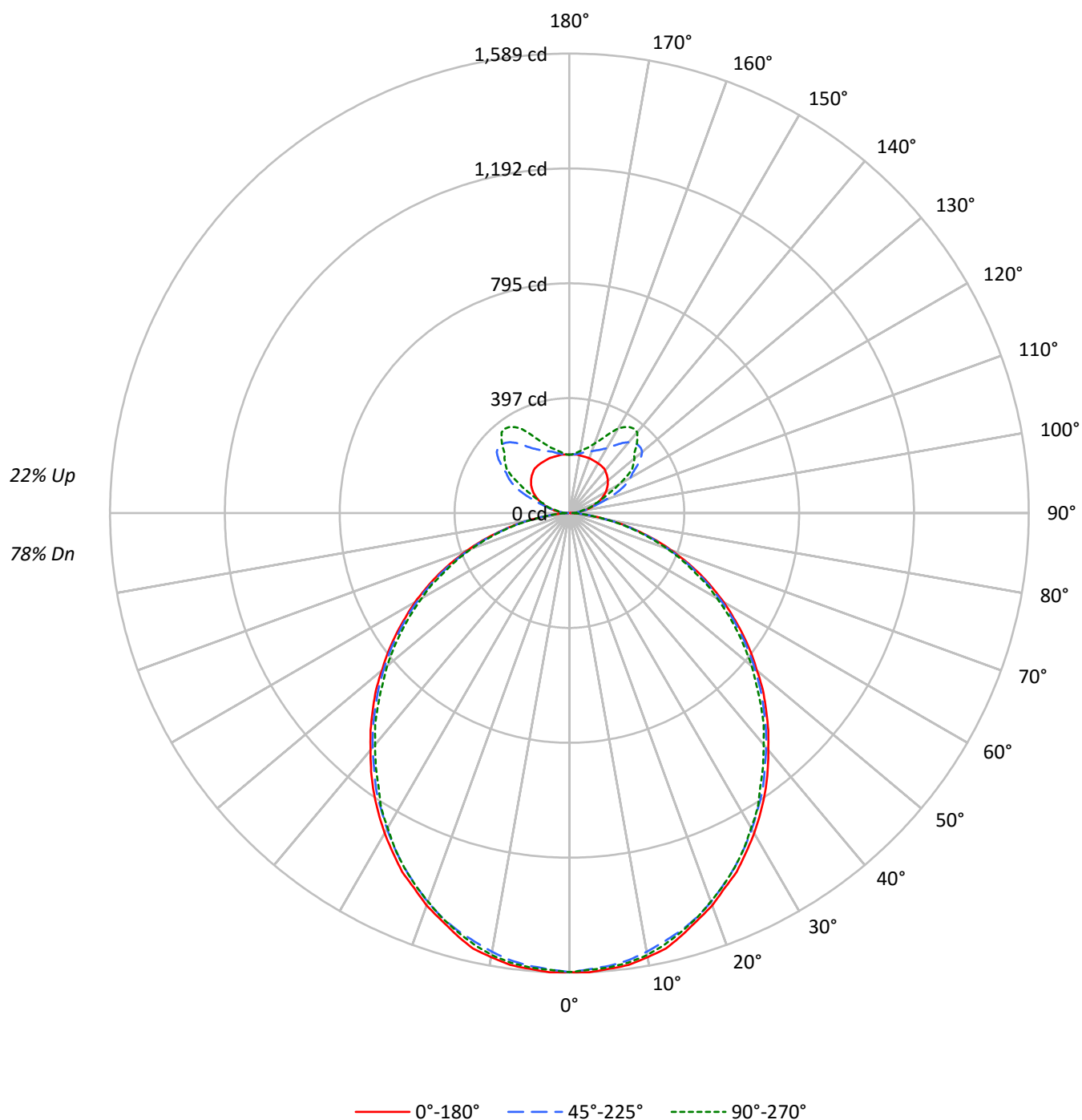
Input Watts (W): 52.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78		
1	104	100	96	92	99	95	92	89	87	84	82	80	78	76	73	71	70	66		
2	95	87	81	75	90	83	78	73	76	72	68	70	66	63	64	61	59	55		
3	87	77	69	63	82	73	66	61	68	62	57	62	57	53	57	53	50	47		
4	79	68	60	53	75	65	58	52	60	54	49	55	50	46	51	47	43	40		
5	73	61	52	46	69	58	51	45	54	47	42	50	44	40	46	41	38	35		
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31		
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	29	27		
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24		
9	54	41	33	28	52	40	33	28	37	31	26	35	29	25	32	27	24	22		
10	51	38	31	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12815	12815	12815
5°	12821	12737	12779
10°	12781	12627	12721
15°	12620	12490	12524
20°	12407	12300	12282
25°	12194	12045	12045
30°	11913	11758	11718
35°	11627	11493	11349
40°	11277	11156	11013
45°	10976	10833	10678
50°	10631	10512	10329
55°	10310	10149	9942
60°	9956	9786	9516
65°	9501	9303	9003
70°	8807	8608	8460
75°	7854	7757	7530
80°	6411	6365	6072
85°	3872	4159	4261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.7	2.9
10°-20°	423.1	8.1
20°-30°	624.6	11.9
30°-40°	729.3	13.9
40°-50°	732.8	14.0
50°-60°	645.1	12.3
60°-70°	480.2	9.2
70°-80°	263.0	5.0
80°-90°	59.9	1.1
90°-100°	30.1	0.6
100°-110°	94.9	1.8
110°-120°	179.4	3.4
120°-130°	226.2	4.3
130°-140°	222.2	4.2
140°-150°	178.5	3.4
150°-160°	113.9	2.2
160°-170°	62.2	1.2
170°-180°	19.7	0.4
0°-30°	1197.4	22.9
0°-40°	1926.7	36.8
0°-60°	3304.6	63.1
0°-90°	4107.7	78.5
90°-120°	304.4	5.8
90°-150°	931.2	17.8
90°-180°	1127.0	21.5
0°-180°	5234.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1587	1587	1587	1587	1587	
5°	1582	1581	1572	1578	1577	150
15°	1510	1504	1494	1502	1498	426
25°	1369	1360	1352	1353	1352	629
35°	1180	1176	1166	1157	1152	737
45°	961	959	949	940	935	742
55°	732	734	721	711	706	655
65°	497	493	487	476	471	491
75°	252	252	249	246	241	269
85°	42	47	45	46	46	56
90°	2	4	5	6	6	4
95°	28	26	26	28	29	28
105°	79	126	80	80	74	83
115°	125	252	199	153	137	124
125°	161	256	286	264	264	143
135°	184	230	334	338	328	142
145°	196	222	290	350	363	123
155°	200	214	240	275	290	92
165°	202	208	220	229	232	57
175°	203	204	204	206	206	19
180°	202	202	202	202	202	



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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1587.4	1587.4	1587.4	1587.4	1587.4
2.5°	1589.4	1588.4	1579.0	1586.3	1581.1
5°	1582.1	1581.1	1571.7	1578.0	1576.9
7.5°	1575.9	1567.5	1560.2	1565.4	1567.5
10°	1559.1	1548.7	1540.3	1551.8	1551.8
12.5°	1542.4	1528.8	1517.3	1532.0	1527.8
15°	1510.0	1503.8	1494.4	1501.7	1498.5
17.5°	1475.5	1475.5	1466.1	1470.3	1467.2
20°	1444.2	1442.1	1431.7	1435.8	1429.6
22.5°	1403.4	1403.4	1391.9	1395.1	1393.0
25°	1369.0	1359.5	1352.2	1353.3	1352.2
27.5°	1323.0	1317.7	1308.3	1310.4	1307.3
30°	1278.0	1270.7	1261.3	1264.5	1257.1
32.5°	1230.0	1224.7	1213.2	1212.2	1211.2
35°	1179.8	1175.6	1166.2	1156.8	1151.6
37.5°	1126.5	1125.5	1109.8	1105.6	1100.4
40°	1070.1	1071.1	1058.6	1051.3	1045.0
42.5°	1017.8	1013.7	1005.3	995.9	994.8
45°	961.4	959.3	948.9	940.5	935.3
47.5°	908.1	905.0	894.5	885.1	876.8
50°	846.5	848.5	837.0	826.6	822.4
52.5°	791.1	793.2	780.6	769.1	764.9
55°	732.5	733.6	721.1	710.6	706.4
57.5°	673.0	674.0	663.6	654.2	648.9
60°	616.6	613.4	606.1	594.6	589.4
62.5°	555.9	555.9	545.5	536.1	536.1
65°	497.4	493.2	487.0	475.5	471.3
67.5°	435.8	432.6	425.3	417.0	418.0
70°	373.1	371.0	364.7	359.5	358.4
72.5°	315.6	311.4	307.2	302.0	299.9
75°	251.8	251.8	248.7	245.6	241.4
77.5°	196.5	194.4	192.3	189.1	187.1
80°	137.9	137.9	136.9	133.8	130.6
82.5°	86.7	88.8	86.7	85.7	85.7
85°	41.8	47.0	44.9	46.0	46.0
87.5°	13.6	15.7	18.8	19.9	19.9
90°	2.1	4.2	5.2	6.3	6.3
92.5°	14.6	15.7	19.9	19.9	20.9
95°	28.2	26.1	26.1	28.2	29.3
97.5°	40.8	41.8	33.4	33.4	34.5
100°	53.3	65.8	51.2	41.8	40.8
102.5°	65.8	96.1	65.8	57.5	52.3
105°	79.4	126.4	80.5	80.5	74.2
107.5°	90.9	154.7	103.5	84.6	85.7
110°	103.5	191.2	131.7	103.5	97.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	115.0	226.8	166.2	124.4	116.0
115°	125.4	251.8	198.6	152.6	136.9
117.5°	134.8	263.3	223.6	183.9	166.2
120°	145.3	267.5	243.5	216.3	198.6
122.5°	152.6	264.4	259.2	247.7	234.1
125°	160.9	256.0	286.3	264.4	264.4
127.5°	167.2	246.6	310.4	281.1	279.0
130°	173.5	238.3	328.1	291.6	293.6
132.5°	178.7	233.0	334.4	315.6	302.0
135°	183.9	229.9	334.4	337.5	328.1
137.5°	188.1	227.8	329.2	353.2	348.0
140°	192.3	225.7	319.8	358.4	364.7
142.5°	195.4	223.6	306.2	357.4	367.8
145°	196.5	221.5	289.5	350.1	362.6
147.5°	197.5	219.5	272.7	337.5	352.2
150°	198.6	218.4	259.2	317.7	337.5
152.5°	198.6	216.3	248.7	293.6	315.6
155°	199.6	214.2	240.4	274.8	290.5
157.5°	200.6	212.1	234.1	259.2	271.7
160°	201.7	210.0	227.8	247.7	256.0
162.5°	201.7	209.0	223.6	237.2	242.4
165°	201.7	208.0	219.5	228.9	232.0
167.5°	201.7	206.9	213.2	221.5	224.7
170°	202.7	205.9	209.0	215.3	218.4
172.5°	203.8	204.8	205.9	210.0	212.1
175°	202.7	203.8	203.8	205.9	205.9
177.5°	202.7	202.7	202.7	203.8	202.7
180°	201.7	201.7	201.7	201.7	201.7

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