

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: P275302

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275302  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: JW-WL-40L82765-1D-UNV-W2A-W-4 (6500K)  
Description: JAYLUM WALL 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: 4163.2 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

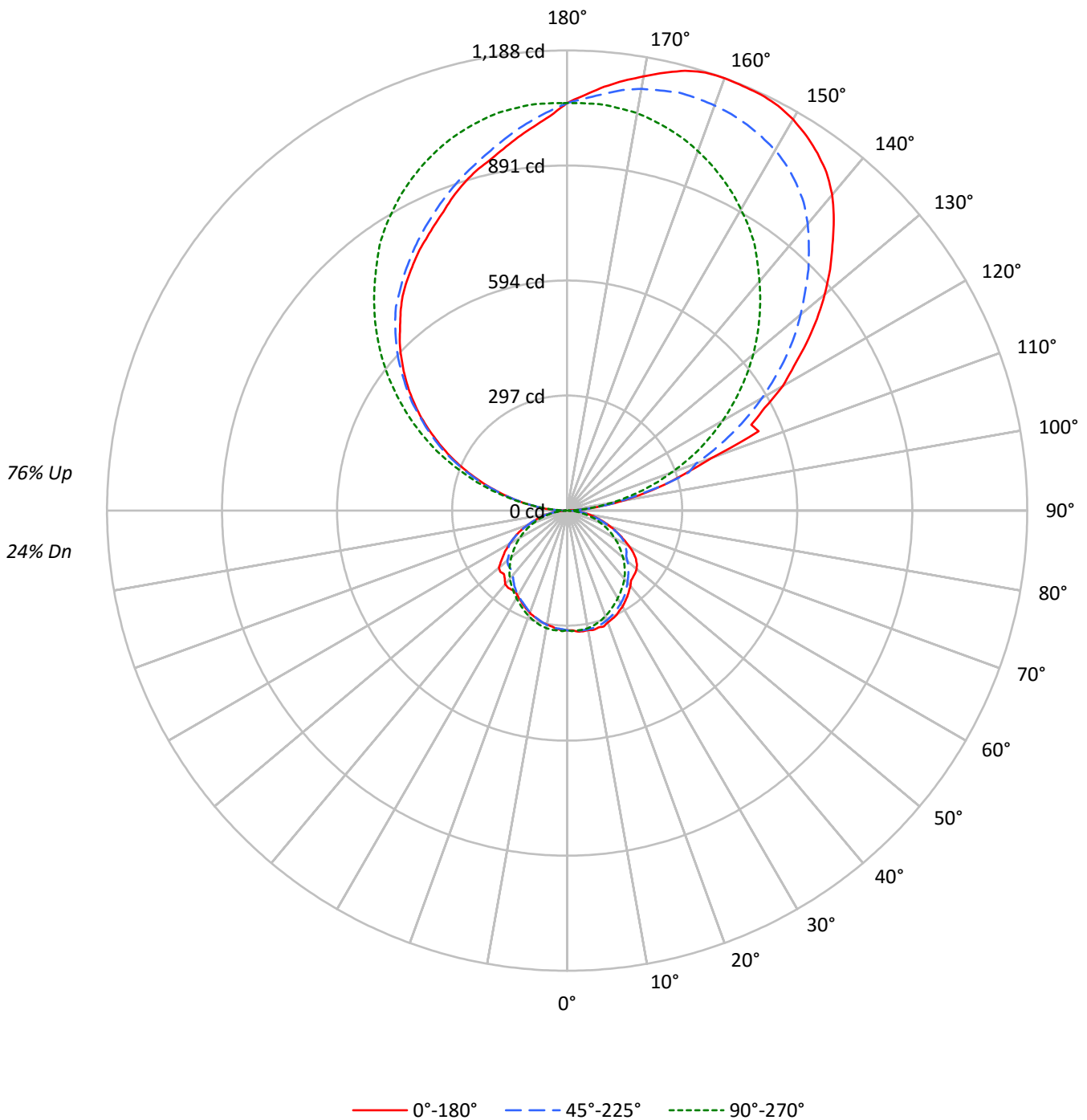
Input Watts (W): 41  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	24				
1	92	87	84	80	81	78	75	72	60	57	56	43	42	40	28	27	26	19				
2	83	76	70	65	74	68	63	58	52	49	46	37	35	33	24	23	22	16				
3	76	67	59	54	67	59	53	48	46	41	38	33	30	28	21	20	18	13				
4	69	59	51	45	61	52	46	41	40	36	32	29	26	24	19	17	16	11				
5	63	52	44	38	56	46	40	35	36	31	27	26	23	20	17	15	13	10				
6	58	46	38	33	51	41	35	30	32	27	24	23	20	18	15	13	12	8				
7	53	42	34	29	47	37	31	26	29	24	21	21	18	15	14	12	10	7				
8	49	38	30	25	44	34	27	23	26	21	18	19	16	14	13	11	9	6				
9	46	34	27	22	41	31	24	20	24	19	16	17	14	12	12	10	8	6				
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	7	5				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	4994	4994	4994
5°	5081	5031	4963
10°	5140	5055	4900
15°	5224	5031	4856
20°	5278	4974	4830
25°	5325	4915	4785
30°	5338	4872	4754
35°	5336	4841	4924
40°	5351	4846	5242
45°	5512	4795	5272
50°	5880	4725	5775
55°	6089	4647	5647
60°	5974	4556	5499
65°	5708	4470	5391
70°	5523	4291	5080
75°	5346	4042	4760
80°	5244	3691	4472
85°	6391	3297	4650



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.4	0.7
10°-20°	84.9	2.0
20°-30°	128.9	3.1
30°-40°	157.1	3.8
40°-50°	170.7	4.1
50°-60°	166.2	4.0
60°-70°	133.7	3.2
70°-80°	82.0	2.0
80°-90°	28.7	0.7
90°-100°	59.6	1.4
100°-110°	228.1	5.5
110°-120°	401.9	9.7
120°-130°	523.5	12.6
130°-140°	577.6	13.9
140°-150°	552.5	13.3
150°-160°	448.6	10.8
160°-170°	289.9	7.0
170°-180°	99.9	2.4
0°-30°	243.2	5.8
0°-40°	400.3	9.6
0°-60°	737.2	17.7
0°-90°	981.7	23.6
90°-120°	689.6	16.6
90°-150°	2343.2	56.3
90°-180°	3182.0	76.4
0°-180°	4163.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	309	309	309	309	309	
5°	314	311	310	305	306	30
15°	312	308	301	290	290	89
25°	299	290	276	265	269	137
35°	271	261	246	237	250	169
45°	241	224	210	209	231	187
55°	216	187	165	182	201	191
65°	149	148	117	139	141	149
75°	86	83	65	77	76	91
85°	34	30	18	24	25	33
90°	6	6	2	4	3	7
95°	48	48	46	51	55	60
105°	263	261	201	183	182	278
115°	525	468	377	341	334	533
125°	754	689	546	489	482	675
135°	969	881	702	625	611	748
145°	1126	1031	842	737	722	704
155°	1185	1099	947	833	812	547
165°	1176	1117	1019	924	908	333
175°	1098	1080	1052	1013	995	106
180°	1052	1052	1052	1052	1052	



TEST NUMBER: P275302

CATALOG NUMBER: JW-WL-40L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	309.3	309.3	309.3	309.3	309.3	309.3	309.3	309.3	309.3
2.5°	309.3	311.4	310.4	310.4	311.4	309.3	306.2	308.3	309.3
5°	313.5	313.5	311.4	310.4	310.4	307.2	305.1	305.1	306.2
7.5°	314.5	315.6	311.4	310.4	310.4	306.2	304.1	302.0	302.0
10°	313.5	315.6	311.4	309.3	308.3	303.1	299.9	298.9	298.9
12.5°	315.6	314.5	310.4	308.3	305.1	299.9	295.7	294.7	295.7
15°	312.5	314.5	308.3	304.1	301.0	296.8	290.5	290.5	290.5
17.5°	313.5	311.4	305.1	301.0	295.7	291.6	285.3	286.3	286.3
20°	307.2	309.3	301.0	295.7	289.5	285.3	280.1	280.1	281.1
22.5°	303.1	304.1	295.7	290.5	283.2	279.0	272.7	273.8	274.8
25°	298.9	297.8	290.5	284.2	275.9	270.7	265.4	267.5	268.6
27.5°	291.6	291.6	283.2	276.9	268.6	263.3	259.2	261.3	261.3
30°	286.3	284.2	276.9	269.6	261.3	256.0	252.9	252.9	255.0
32.5°	278.0	275.9	269.6	261.3	253.9	247.7	245.6	245.6	247.7
35°	270.7	267.5	261.3	252.9	245.6	239.3	237.2	238.3	249.8
37.5°	262.3	259.2	251.8	244.5	238.3	229.9	227.8	239.3	250.8
40°	253.9	250.8	242.4	236.2	229.9	221.5	218.4	241.4	248.7
42.5°	244.5	242.4	233.0	226.8	220.5	214.2	211.1	237.2	238.3
45°	241.4	233.0	223.6	216.3	210.0	203.8	209.0	226.8	230.9
47.5°	238.3	229.9	215.3	206.9	199.6	193.3	206.9	219.5	234.1
50°	234.1	225.7	202.7	196.5	188.1	183.9	201.7	220.5	229.9
52.5°	226.8	220.5	192.3	185.0	176.6	173.5	190.2	215.3	215.3
55°	216.3	211.1	187.1	173.5	165.1	160.9	181.8	200.6	200.6
57.5°	202.7	199.6	179.7	159.9	153.6	149.4	179.7	186.0	187.1
60°	185.0	183.9	172.4	146.3	141.1	139.0	172.4	170.3	170.3
62.5°	167.2	166.2	162.0	133.8	129.6	131.7	155.7	154.7	155.7
65°	149.4	150.5	148.4	121.2	117.0	123.3	139.0	140.0	141.1
67.5°	133.8	132.7	131.7	107.6	103.5	110.8	124.4	124.4	124.4
70°	117.0	116.0	113.9	99.3	90.9	101.4	107.6	108.7	107.6
72.5°	101.4	100.3	97.2	88.8	79.4	92.0	93.0	92.0	92.0
75°	85.7	85.7	82.6	77.3	64.8	77.3	77.3	77.3	76.3
77.5°	71.1	70.0	66.9	62.7	52.3	61.7	60.6	62.7	62.7
80°	56.4	56.4	54.3	47.0	39.7	47.0	48.1	49.1	48.1
82.5°	44.9	44.9	40.8	34.5	27.2	32.4	34.5	36.6	35.5
85°	34.5	33.4	30.3	24.0	17.8	20.9	24.0	25.1	25.1
87.5°	24.0	24.0	21.9	16.7	8.4	13.6	15.7	14.6	12.5
90°	6.3	6.3	6.3	4.2	2.1	4.2	4.2	4.2	3.1
92.5°	12.5	13.6	16.7	17.8	17.8	21.9	28.2	30.3	29.3
95°	48.1	49.1	48.1	48.1	46.0	47.0	51.2	53.3	55.4
97.5°	94.1	92.0	90.9	87.8	78.4	77.3	78.4	80.5	82.6
100°	145.3	141.1	137.9	139.0	116.0	112.9	110.8	110.8	113.9
102.5°	199.6	201.7	189.1	174.5	157.8	150.5	145.3	146.3	146.3
105°	263.3	255.0	261.3	220.5	200.6	191.2	182.9	182.9	181.8
107.5°	320.8	314.5	329.2	270.7	243.5	233.0	223.6	219.5	218.4
110°	396.1	452.5	354.3	318.7	286.3	272.7	262.3	258.1	257.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	535.0	471.3	410.7	373.1	332.3	313.5	301.0	298.9	294.7
115°	524.6	501.6	468.2	421.1	377.2	354.3	340.7	335.4	334.4
117.5°	574.8	563.3	525.6	472.3	420.1	390.8	378.3	372.0	371.0
120°	642.7	626.0	581.0	521.5	462.9	431.6	414.9	410.7	408.6
122.5°	693.9	684.5	634.3	571.6	504.7	468.2	450.4	446.2	446.2
125°	754.5	743.0	688.7	617.6	546.5	503.7	489.1	482.8	481.7
127.5°	813.0	795.2	739.9	667.8	587.3	540.3	523.5	515.2	516.2
130°	868.4	850.6	786.9	712.7	627.0	574.8	558.0	549.7	548.6
132.5°	920.6	896.6	832.9	753.4	664.6	610.3	593.6	580.0	580.0
135°	968.7	946.8	880.9	790.0	702.2	643.7	624.9	613.4	611.3
137.5°	1018.9	988.6	923.8	826.6	737.8	680.3	657.3	644.8	638.5
140°	1064.9	1031.4	966.6	865.3	772.3	710.6	687.6	674.0	668.8
142.5°	1100.4	1069.0	1003.2	899.7	806.7	743.0	710.6	703.3	698.1
145°	1126.5	1101.4	1031.4	932.1	842.3	774.3	736.7	730.5	722.1
147.5°	1148.5	1128.6	1055.5	961.4	871.5	802.6	760.8	755.5	745.1
150°	1166.2	1144.3	1074.3	990.7	897.7	830.8	785.8	777.5	769.1
152.5°	1178.8	1161.0	1087.8	1015.7	923.8	859.0	809.9	798.4	790.0
155°	1185.0	1167.3	1099.3	1032.5	946.8	884.1	832.9	821.4	812.0
157.5°	1186.1	1169.4	1107.7	1049.2	968.7	905.0	856.9	843.3	835.0
160°	1188.2	1167.3	1112.9	1056.5	987.5	929.0	879.9	864.2	862.1
162.5°	1186.1	1162.0	1116.1	1064.9	1005.3	948.9	902.9	888.3	886.2
165°	1175.6	1155.8	1117.1	1071.1	1018.9	970.8	923.8	911.2	908.1
167.5°	1157.9	1146.4	1110.8	1073.2	1031.4	987.5	945.7	934.2	925.9
170°	1138.0	1134.9	1105.6	1074.3	1041.9	1004.2	968.7	957.2	947.8
172.5°	1119.2	1118.2	1095.2	1073.2	1047.1	1016.8	991.7	979.2	971.9
175°	1098.3	1097.3	1079.5	1071.1	1052.3	1028.3	1012.6	1003.2	994.8
177.5°	1074.3	1076.4	1064.9	1069.0	1052.3	1040.8	1032.5	1027.2	1018.9
180°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3

(END OF REPORT)