

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: P275297

Luminaire Tested: **JW-WL-40L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275297  
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 (3500K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3892.2 lumens  
Efficiency: N/A  
Efficacy: 98.5 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

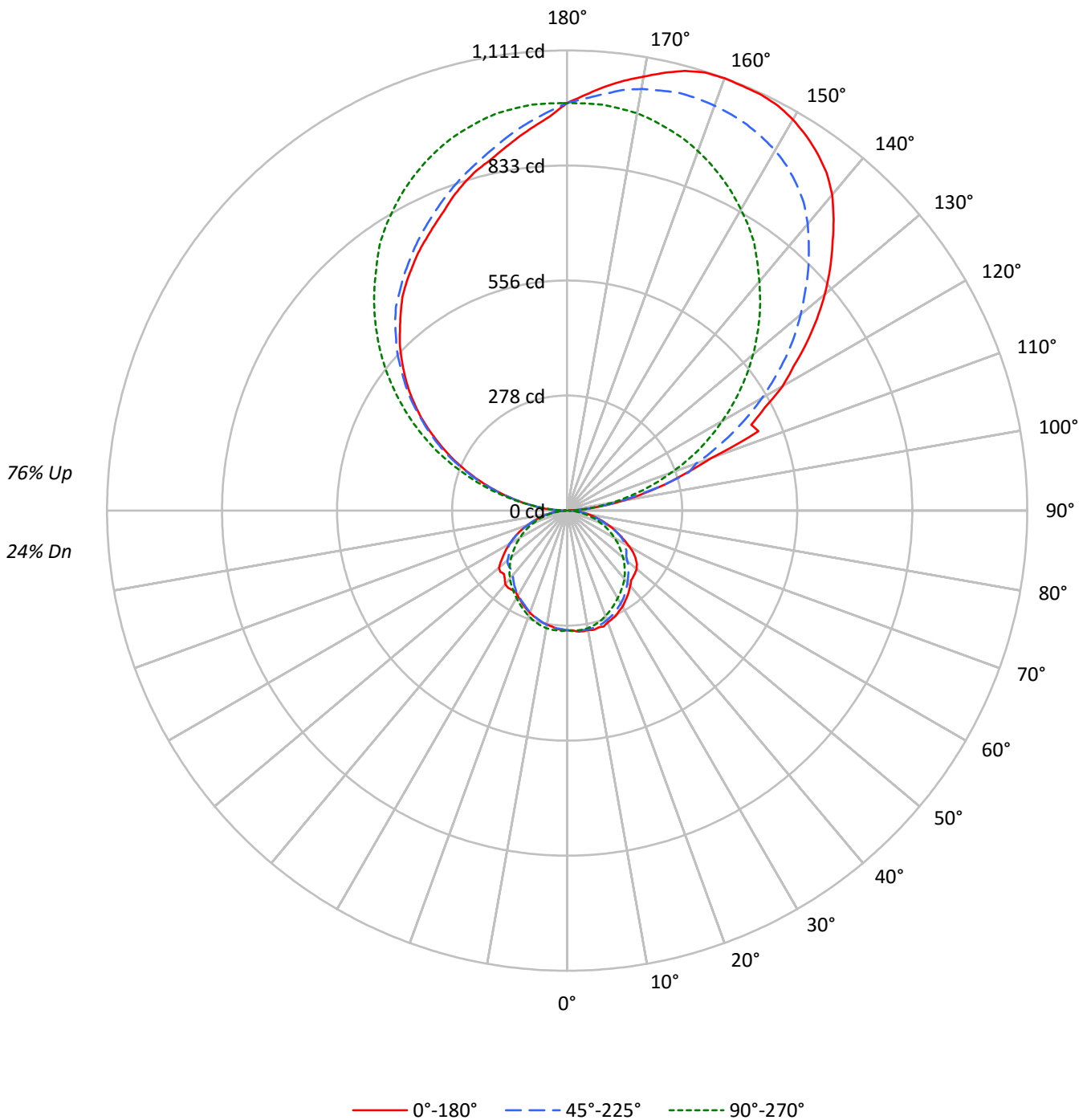
Input Watts (W): 39.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	4669	4669	4669
5°	4750	4703	4640
10°	4805	4725	4581
15°	4883	4704	4540
20°	4935	4649	4515
25°	4978	4594	4473
30°	4991	4553	4445
35°	4987	4526	4602
40°	5004	4529	4900
45°	5154	4485	4930
50°	5496	4418	5398
55°	5692	4346	5281
60°	5583	4259	5144
65°	5337	4180	5039
70°	5164	4013	4749
75°	4997	3780	4448
80°	4909	3450	4175
85°	5965	3075	4335



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.5	0.7
10°-20°	79.4	2.0
20°-30°	120.5	3.1
30°-40°	146.9	3.8
40°-50°	159.5	4.1
50°-60°	155.4	4.0
60°-70°	125.0	3.2
70°-80°	76.7	2.0
80°-90°	26.9	0.7
90°-100°	55.7	1.4
100°-110°	213.3	5.5
110°-120°	375.7	9.7
120°-130°	489.4	12.6
130°-140°	540.0	13.9
140°-150°	516.5	13.3
150°-160°	419.4	10.8
160°-170°	271.0	7.0
170°-180°	93.4	2.4
0°-30°	227.4	5.8
0°-40°	374.3	9.6
0°-60°	689.3	17.7
0°-90°	917.8	23.6
90°-120°	644.7	16.6
90°-150°	2190.7	56.3
90°-180°	2974.0	76.4
0°-180°	3892.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	289	289	289	289	289	
5°	293	291	290	285	286	28
15°	292	288	281	272	272	83
25°	279	272	258	248	251	128
35°	253	244	230	222	234	158
45°	226	209	196	195	216	175
55°	202	175	154	170	188	179
65°	140	139	109	130	132	139
75°	80	77	61	72	71	85
85°	32	28	17	22	23	30
90°	6	6	2	4	3	6
95°	45	45	43	48	52	56
105°	246	244	188	171	170	260
115°	490	438	353	318	313	499
125°	705	644	511	457	450	631
135°	906	824	656	584	572	699
145°	1053	964	788	689	675	658
155°	1108	1028	885	779	759	511
165°	1099	1044	953	864	849	311
175°	1027	1009	984	947	930	99
180°	984	984	984	984	984	



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CATALOG NUMBER: JW-WL-40L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2
2.5°	289.2	291.1	290.2	290.2	291.1	289.2	286.3	288.2	289.2
5°	293.1	293.1	291.1	290.2	290.2	287.2	285.3	285.3	286.3
7.5°	294.1	295.1	291.1	290.2	290.2	286.3	284.3	282.4	282.4
10°	293.1	295.1	291.1	289.2	288.2	283.3	280.4	279.4	279.4
12.5°	295.1	294.1	290.2	288.2	285.3	280.4	276.5	275.5	276.5
15°	292.1	294.1	288.2	284.3	281.4	277.5	271.6	271.6	271.6
17.5°	293.1	291.1	285.3	281.4	276.5	272.6	266.7	267.7	267.7
20°	287.2	289.2	281.4	276.5	270.6	266.7	261.8	261.8	262.8
22.5°	283.3	284.3	276.5	271.6	264.8	260.9	255.0	256.0	257.0
25°	279.4	278.4	271.6	265.7	257.9	253.0	248.2	250.1	251.1
27.5°	272.6	272.6	264.8	258.9	251.1	246.2	242.3	244.2	244.2
30°	267.7	265.7	258.9	252.1	244.2	239.4	236.4	236.4	238.4
32.5°	259.9	257.9	252.1	244.2	237.4	231.5	229.6	229.6	231.5
35°	253.0	250.1	244.2	236.4	229.6	223.7	221.8	222.8	233.5
37.5°	245.2	242.3	235.5	228.6	222.8	214.9	213.0	223.7	234.5
40°	237.4	234.5	226.7	220.8	214.9	207.1	204.2	225.7	232.5
42.5°	228.6	226.7	217.9	212.0	206.1	200.3	197.4	221.8	222.8
45°	225.7	217.9	209.1	202.2	196.4	190.5	195.4	212.0	215.9
47.5°	222.8	214.9	201.3	193.4	186.6	180.7	193.4	205.2	218.8
50°	218.8	211.0	189.5	183.7	175.9	172.0	188.6	206.1	214.9
52.5°	212.0	206.1	179.8	172.9	165.1	162.2	177.8	201.3	201.3
55°	202.2	197.4	174.9	162.2	154.4	150.5	170.0	187.6	187.6
57.5°	189.5	186.6	168.0	149.5	143.6	139.7	168.0	173.9	174.9
60°	172.9	172.0	161.2	136.8	131.9	129.9	161.2	159.3	159.3
62.5°	156.3	155.3	151.4	125.1	121.1	123.1	145.6	144.6	145.6
65°	139.7	140.7	138.7	113.3	109.4	115.3	129.9	130.9	131.9
67.5°	125.1	124.1	123.1	100.6	96.7	103.6	116.3	116.3	116.3
70°	109.4	108.4	106.5	92.8	85.0	94.8	100.6	101.6	100.6
72.5°	94.8	93.8	90.9	83.0	74.3	86.0	87.0	86.0	86.0
75°	80.1	80.1	77.2	72.3	60.6	72.3	72.3	72.3	71.3
77.5°	66.4	65.5	62.5	58.6	48.8	57.6	56.7	58.6	58.6
80°	52.8	52.8	50.8	44.0	37.1	44.0	44.9	45.9	44.9
82.5°	42.0	42.0	38.1	32.2	25.4	30.3	32.2	34.2	33.2
85°	32.2	31.3	28.3	22.5	16.6	19.5	22.5	23.4	23.4
87.5°	22.5	22.5	20.5	15.6	7.8	12.7	14.7	13.7	11.7
90°	5.9	5.9	5.9	3.9	2.0	3.9	3.9	3.9	2.9
92.5°	11.7	12.7	15.6	16.6	16.6	20.5	26.4	28.3	27.4
95°	44.9	45.9	44.9	44.9	43.0	44.0	47.9	49.8	51.8
97.5°	87.9	86.0	85.0	82.1	73.3	72.3	73.3	75.2	77.2
100°	135.8	131.9	129.0	129.9	108.4	105.5	103.6	103.6	106.5
102.5°	186.6	188.6	176.8	163.2	147.5	140.7	135.8	136.8	136.8
105°	246.2	238.4	244.2	206.1	187.6	178.8	171.0	171.0	170.0
107.5°	299.9	294.1	307.8	253.0	227.6	217.9	209.1	205.2	204.2
110°	370.3	423.0	331.2	298.0	267.7	255.0	245.2	241.3	240.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	500.2	440.6	384.0	348.8	310.7	293.1	281.4	279.4	275.5
115°	490.5	469.0	437.7	393.7	352.7	331.2	318.5	313.6	312.6
117.5°	537.3	526.6	491.4	441.6	392.8	365.4	353.7	347.8	346.8
120°	600.9	585.2	543.2	487.5	432.8	403.5	387.9	384.0	382.0
122.5°	648.7	639.9	593.0	534.4	471.9	437.7	421.1	417.2	417.2
125°	705.4	694.6	643.8	577.4	511.0	470.9	457.2	451.4	450.4
127.5°	760.1	743.5	691.7	624.3	549.1	505.1	489.5	481.7	482.6
130°	811.9	795.3	735.7	666.3	586.2	537.3	521.7	513.9	512.9
132.5°	860.7	838.3	778.7	704.4	621.4	570.6	554.9	542.2	542.2
135°	905.7	885.2	823.6	738.6	656.5	601.8	584.2	573.5	571.5
137.5°	952.6	924.2	863.7	772.8	689.8	636.0	614.5	602.8	596.9
140°	995.6	964.3	903.7	809.0	722.0	664.4	642.9	630.2	625.3
142.5°	1028.8	999.5	937.9	841.2	754.2	694.6	664.4	657.5	652.6
145°	1053.2	1029.8	964.3	871.5	787.5	724.0	688.8	682.9	675.1
147.5°	1073.7	1055.2	986.8	898.8	814.8	750.3	711.3	706.4	696.6
150°	1090.3	1069.8	1004.4	926.2	839.2	776.7	734.7	726.9	719.1
152.5°	1102.1	1085.4	1017.1	949.6	863.7	803.1	757.2	746.4	738.6
155°	1107.9	1091.3	1027.8	965.3	885.2	826.5	778.7	767.9	759.1
157.5°	1108.9	1093.3	1035.6	980.9	905.7	846.1	801.1	788.4	780.6
160°	1110.8	1091.3	1040.5	987.7	923.3	868.6	822.6	808.0	806.0
162.5°	1108.9	1086.4	1043.4	995.6	939.9	887.1	844.1	830.4	828.5
165°	1099.1	1080.6	1044.4	1001.4	952.6	907.6	863.7	851.9	849.0
167.5°	1082.5	1071.8	1038.6	1003.4	964.3	923.3	884.2	873.4	865.6
170°	1064.0	1061.0	1033.7	1004.4	974.1	938.9	905.7	894.9	886.1
172.5°	1046.4	1045.4	1023.9	1003.4	979.0	950.6	927.2	915.4	908.6
175°	1026.8	1025.8	1009.2	1001.4	983.8	961.4	946.7	937.9	930.1
177.5°	1004.4	1006.3	995.6	999.5	983.8	973.1	965.3	960.4	952.6
180°	983.8	983.8	983.8	983.8	983.8	983.8	983.8	983.8	983.8

(END OF REPORT)