

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: P275300

Luminaire Tested: **JW-WL-40L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

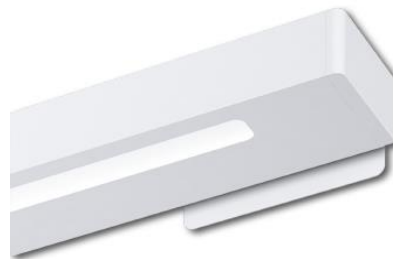
**Test Information**

Test Method: LM-79-08  
Report Number: P275300  
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 (5000K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4103.5 lumens  
Efficiency: N/A  
Efficacy: 102.1 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

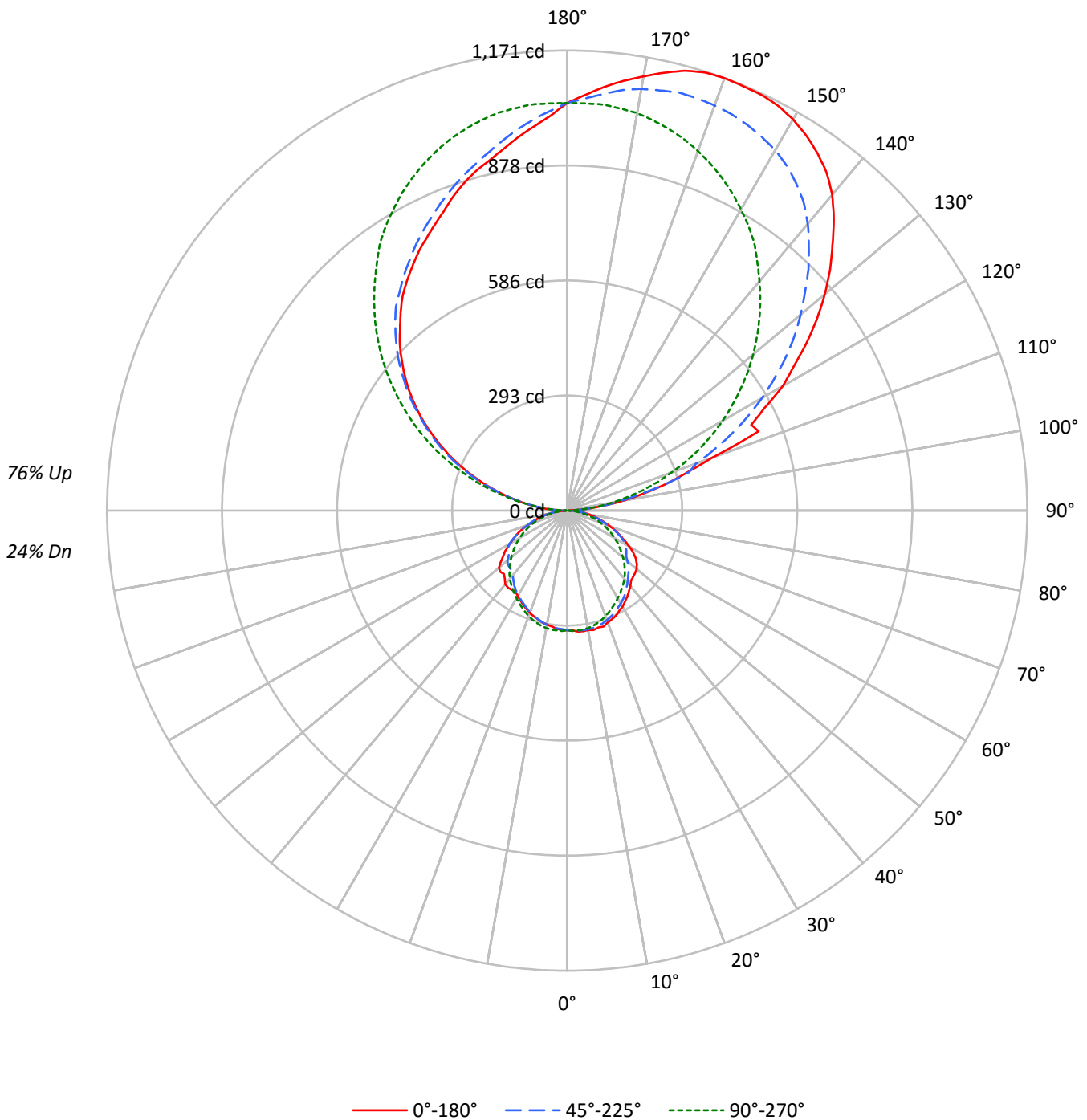
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4923	4923	4923
5°	5008	4958	4891
10°	5066	4982	4830
15°	5148	4958	4786
20°	5203	4902	4761
25°	5248	4844	4716
30°	5261	4801	4685
35°	5259	4772	4853
40°	5276	4776	5166
45°	5432	4727	5197
50°	5795	4657	5692
55°	6001	4580	5568
60°	5887	4492	5422
65°	5627	4409	5314
70°	5448	4230	5009
75°	5271	3986	4691
80°	5170	3636	4407
85°	6299	3242	4576



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.0	0.7
10°-20°	83.7	2.0
20°-30°	127.0	3.1
30°-40°	154.8	3.8
40°-50°	168.2	4.1
50°-60°	163.9	4.0
60°-70°	131.7	3.2
70°-80°	80.9	2.0
80°-90°	28.3	0.7
90°-100°	58.7	1.4
100°-110°	224.9	5.5
110°-120°	396.1	9.7
120°-130°	515.9	12.6
130°-140°	569.3	13.9
140°-150°	544.5	13.3
150°-160°	442.2	10.8
160°-170°	285.7	7.0
170°-180°	98.5	2.4
0°-30°	239.7	5.8
0°-40°	394.6	9.6
0°-60°	726.7	17.7
0°-90°	967.6	23.6
90°-120°	679.7	16.6
90°-150°	2309.5	56.3
90°-180°	3136.0	76.4
0°-180°	4103.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	305	305	305	305	305	
5°	309	307	306	301	302	29
15°	308	304	297	286	286	87
25°	295	286	272	262	265	135
35°	267	258	242	234	246	167
45°	238	220	207	206	228	185
55°	213	184	163	179	198	189
65°	147	146	115	137	139	147
75°	84	81	64	76	75	90
85°	34	30	18	24	25	32
90°	6	6	2	4	3	7
95°	47	47	45	50	55	59
105°	260	258	198	180	179	274
115°	517	461	372	336	330	526
125°	744	679	539	482	475	665
135°	955	868	692	616	603	737
145°	1110	1017	830	726	712	694
155°	1168	1084	933	821	800	539
165°	1159	1101	1004	910	895	328
175°	1082	1064	1037	998	981	104
180°	1037	1037	1037	1037	1037	



TEST NUMBER: P275300

CATALOG NUMBER: JW-WL-40L82765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	304.9	304.9	304.9	304.9	304.9	304.9	304.9	304.9	304.9
2.5°	304.9	306.9	305.9	305.9	306.9	304.9	301.8	303.9	304.9
5°	309.0	309.0	306.9	305.9	305.9	302.8	300.8	300.8	301.8
7.5°	310.0	311.1	306.9	305.9	305.9	301.8	299.7	297.7	297.7
10°	309.0	311.1	306.9	304.9	303.9	298.7	295.6	294.6	294.6
12.5°	311.1	310.0	305.9	303.9	300.8	295.6	291.5	290.5	291.5
15°	308.0	310.0	303.9	299.7	296.6	292.5	286.3	286.3	286.3
17.5°	309.0	306.9	300.8	296.6	291.5	287.4	281.2	282.2	282.2
20°	302.8	304.9	296.6	291.5	285.3	281.2	276.0	276.0	277.1
22.5°	298.7	299.7	291.5	286.3	279.1	275.0	268.8	269.9	270.9
25°	294.6	293.6	286.3	280.2	271.9	266.8	261.6	263.7	264.7
27.5°	287.4	287.4	279.1	273.0	264.7	259.6	255.4	257.5	257.5
30°	282.2	280.2	273.0	265.7	257.5	252.4	249.3	249.3	251.3
32.5°	274.0	271.9	265.7	257.5	250.3	244.1	242.1	242.1	244.1
35°	266.8	263.7	257.5	249.3	242.1	235.9	233.8	234.8	246.2
37.5°	258.5	255.4	248.2	241.0	234.8	226.6	224.5	235.9	247.2
40°	250.3	247.2	239.0	232.8	226.6	218.4	215.3	237.9	245.1
42.5°	241.0	239.0	229.7	223.5	217.3	211.2	208.1	233.8	234.8
45°	237.9	229.7	220.4	213.2	207.0	200.9	206.0	223.5	227.6
47.5°	234.8	226.6	212.2	203.9	196.7	190.6	203.9	216.3	230.7
50°	230.7	222.5	199.8	193.6	185.4	181.3	198.8	217.3	226.6
52.5°	223.5	217.3	189.5	182.3	174.1	171.0	187.5	212.2	212.2
55°	213.2	208.1	184.4	171.0	162.7	158.6	179.2	197.8	197.8
57.5°	199.8	196.7	177.2	157.6	151.4	147.3	177.2	183.3	184.4
60°	182.3	181.3	170.0	144.2	139.1	137.0	170.0	167.9	167.9
62.5°	164.8	163.8	159.7	131.8	127.7	129.8	153.5	152.4	153.5
65°	147.3	148.3	146.3	119.5	115.4	121.5	137.0	138.0	139.1
67.5°	131.8	130.8	129.8	106.1	102.0	109.2	122.6	122.6	122.6
70°	115.4	114.3	112.3	97.9	89.6	99.9	106.1	107.1	106.1
72.5°	99.9	98.9	95.8	87.6	78.3	90.6	91.7	90.6	90.6
75°	84.5	84.5	81.4	76.2	63.9	76.2	76.2	76.2	75.2
77.5°	70.0	69.0	65.9	61.8	51.5	60.8	59.7	61.8	61.8
80°	55.6	55.6	53.6	46.4	39.1	46.4	47.4	48.4	47.4
82.5°	44.3	44.3	40.2	34.0	26.8	31.9	34.0	36.1	35.0
85°	34.0	33.0	29.9	23.7	17.5	20.6	23.7	24.7	24.7
87.5°	23.7	23.7	21.6	16.5	8.2	13.4	15.5	14.4	12.4
90°	6.2	6.2	6.2	4.1	2.1	4.1	4.1	4.1	3.1
92.5°	12.4	13.4	16.5	17.5	17.5	21.6	27.8	29.9	28.8
95°	47.4	48.4	47.4	47.4	45.3	46.4	50.5	52.5	54.6
97.5°	92.7	90.6	89.6	86.5	77.3	76.2	77.3	79.3	81.4
100°	143.2	139.1	136.0	137.0	114.3	111.2	109.2	109.2	112.3
102.5°	196.7	198.8	186.4	172.0	155.5	148.3	143.2	144.2	144.2
105°	259.6	251.3	257.5	217.3	197.8	188.5	180.3	180.3	179.2
107.5°	316.2	310.0	324.5	266.8	240.0	229.7	220.4	216.3	215.3
110°	390.4	446.0	349.2	314.2	282.2	268.8	258.5	254.4	253.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	527.4	464.5	404.8	367.7	327.5	309.0	296.6	294.6	290.5
115°	517.1	494.4	461.4	415.1	371.8	349.2	335.8	330.6	329.6
117.5°	566.5	555.2	518.1	465.6	414.1	385.2	372.9	366.7	365.7
120°	633.5	617.0	572.7	514.0	456.3	425.4	408.9	404.8	402.7
122.5°	683.9	674.7	625.2	563.4	497.5	461.4	443.9	439.8	439.8
125°	743.7	732.3	678.8	608.7	538.7	496.5	482.0	475.9	474.8
127.5°	801.3	783.8	729.2	658.2	578.9	532.5	516.0	507.8	508.8
130°	855.9	838.4	775.6	702.5	618.0	566.5	550.0	541.8	540.8
132.5°	907.4	883.7	820.9	742.6	655.1	601.5	585.0	571.7	571.7
135°	954.8	933.2	868.3	778.7	692.2	634.5	615.9	604.6	602.6
137.5°	1004.3	974.4	910.5	814.7	727.2	670.5	647.9	635.5	629.3
140°	1049.6	1016.6	952.8	852.8	761.2	700.4	677.7	664.4	659.2
142.5°	1084.6	1053.7	988.8	886.8	795.2	732.3	700.4	693.2	688.0
145°	1110.3	1085.6	1016.6	918.8	830.2	763.2	726.2	720.0	711.7
147.5°	1132.0	1112.4	1040.3	947.6	859.0	791.0	749.8	744.7	734.4
150°	1149.5	1127.9	1058.8	976.4	884.8	818.9	774.6	766.3	758.1
152.5°	1161.8	1144.3	1072.2	1001.2	910.5	846.7	798.3	786.9	778.7
155°	1168.0	1150.5	1083.6	1017.6	933.2	871.4	820.9	809.6	800.3
157.5°	1169.1	1152.6	1091.8	1034.1	954.8	892.0	844.6	831.2	823.0
160°	1171.1	1150.5	1097.0	1041.3	973.4	915.7	867.3	851.8	849.8
162.5°	1169.1	1145.4	1100.0	1049.6	990.9	935.2	889.9	875.5	873.4
165°	1158.8	1139.2	1101.1	1055.8	1004.3	956.9	910.5	898.2	895.1
167.5°	1141.2	1129.9	1094.9	1057.8	1016.6	973.4	932.2	920.8	912.6
170°	1121.7	1118.6	1089.7	1058.8	1026.9	989.8	954.8	943.5	934.2
172.5°	1103.1	1102.1	1079.4	1057.8	1032.1	1002.2	977.5	965.1	957.9
175°	1082.5	1081.5	1064.0	1055.8	1037.2	1013.5	998.1	988.8	980.6
177.5°	1058.8	1060.9	1049.6	1053.7	1037.2	1025.9	1017.6	1012.5	1004.3
180°	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2

(END OF REPORT)