

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: P275310

Luminaire Tested: **JW-WL-40L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275310  
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-40L92765-1D-UNV-W2A-W-4 (6500K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3780.7 lumens  
Efficiency: N/A  
Efficacy: 92.0 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

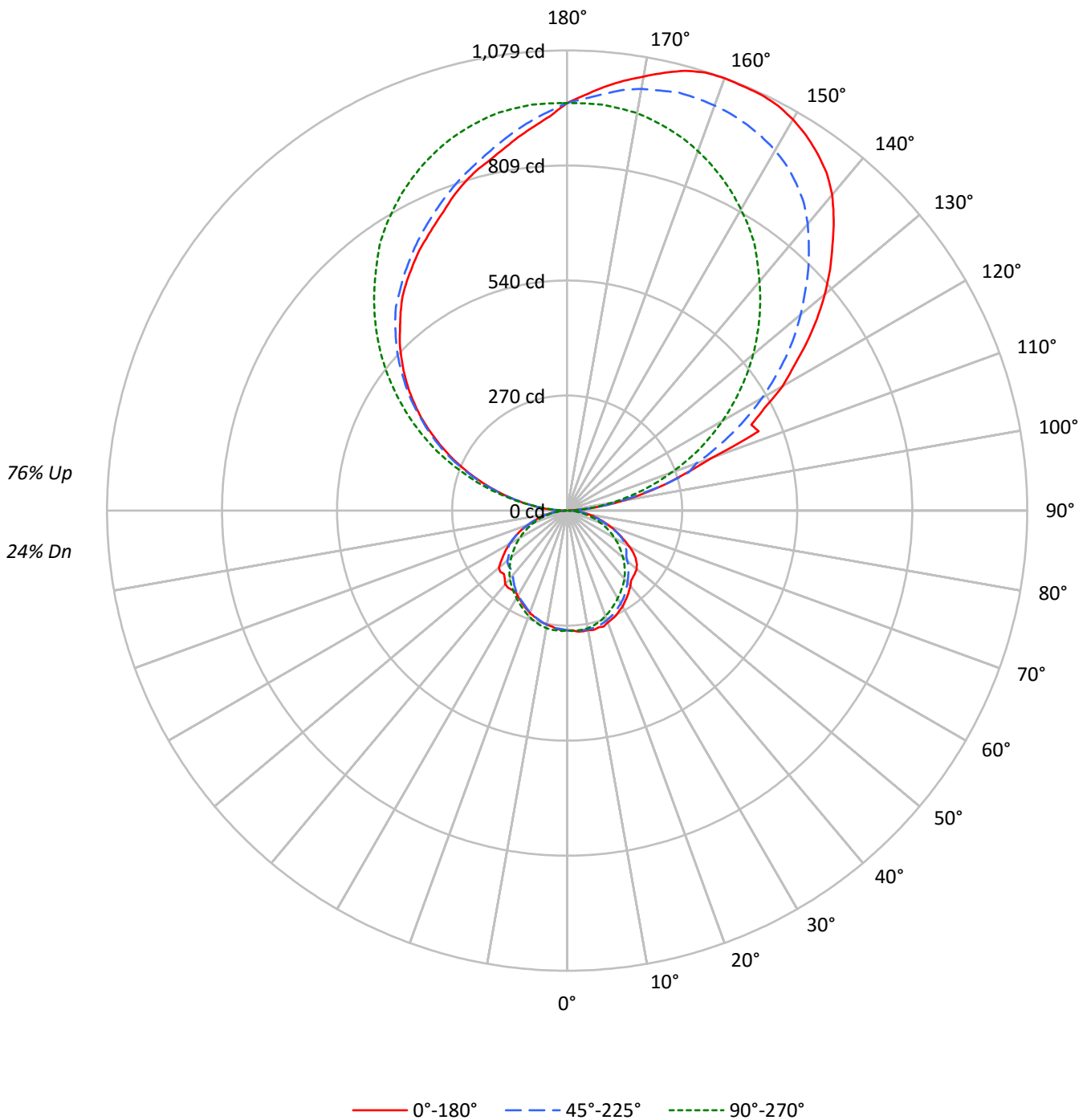
Input Watts (W): 41.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4535	4535	4535
5°	4614	4569	4507
10°	4668	4591	4450
15°	4744	4568	4410
20°	4794	4517	4387
25°	4835	4463	4345
30°	4847	4422	4318
35°	4845	4395	4470
40°	4860	4401	4761
45°	5005	4354	4788
50°	5340	4290	5245
55°	5529	4220	5129
60°	5425	4137	4996
65°	5184	4061	4894
70°	5018	3899	4612
75°	4853	3668	4323
80°	4761	3357	4063
85°	5798	2983	4224



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.7	0.7
10°-20°	77.1	2.0
20°-30°	117.0	3.1
30°-40°	142.7	3.8
40°-50°	155.0	4.1
50°-60°	151.0	4.0
60°-70°	121.4	3.2
70°-80°	74.5	2.0
80°-90°	26.1	0.7
90°-100°	54.1	1.4
100°-110°	207.2	5.5
110°-120°	365.0	9.7
120°-130°	475.4	12.6
130°-140°	524.5	13.9
140°-150°	501.7	13.3
150°-160°	407.4	10.8
160°-170°	263.2	7.0
170°-180°	90.7	2.4
0°-30°	220.9	5.8
0°-40°	363.6	9.6
0°-60°	669.5	17.7
0°-90°	891.5	23.6
90°-120°	626.2	16.6
90°-150°	2127.9	56.3
90°-180°	2889.0	76.4
0°-180°	3780.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	281	281	281	281	281	
5°	285	283	282	277	278	27
15°	284	280	273	264	264	81
25°	271	264	250	241	244	125
35°	246	237	223	215	227	154
45°	219	203	191	190	210	170
55°	196	170	150	165	182	174
65°	136	135	106	126	128	135
75°	78	75	59	70	69	83
85°	31	28	16	22	23	30
90°	6	6	2	4	3	6
95°	44	44	42	46	50	55
105°	239	237	182	166	165	252
115°	476	425	343	309	304	484
125°	685	625	496	444	438	613
135°	880	800	638	568	555	679
145°	1023	937	765	669	656	639
155°	1076	998	860	756	737	497
165°	1068	1014	925	839	825	302
175°	997	980	956	920	903	96
180°	956	956	956	956	956	



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CATALOG NUMBER: JW-WL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9
2.5°	280.9	282.8	281.9	281.9	282.8	280.9	278.1	280.0	280.9
5°	284.7	284.7	282.8	281.9	281.9	279.0	277.1	277.1	278.1
7.5°	285.6	286.6	282.8	281.9	281.9	278.1	276.2	274.3	274.3
10°	284.7	286.6	282.8	280.9	280.0	275.2	272.4	271.4	271.4
12.5°	286.6	285.6	281.9	280.0	277.1	272.4	268.6	267.6	268.6
15°	283.8	285.6	280.0	276.2	273.3	269.5	263.8	263.8	263.8
17.5°	284.7	282.8	277.1	273.3	268.6	264.8	259.1	260.0	260.0
20°	279.0	280.9	273.3	268.6	262.9	259.1	254.3	254.3	255.3
22.5°	275.2	276.2	268.6	263.8	257.2	253.4	247.7	248.6	249.6
25°	271.4	270.5	263.8	258.1	250.5	245.8	241.0	242.9	243.9
27.5°	264.8	264.8	257.2	251.5	243.9	239.1	235.4	237.2	237.2
30°	260.0	258.1	251.5	244.8	237.2	232.5	229.7	229.7	231.6
32.5°	252.4	250.5	244.8	237.2	230.6	224.9	223.0	223.0	224.9
35°	245.8	242.9	237.2	229.7	223.0	217.3	215.4	216.4	226.8
37.5°	238.2	235.4	228.7	222.1	216.4	208.8	206.9	217.3	227.8
40°	230.6	227.8	220.2	214.5	208.8	201.2	198.3	219.2	225.9
42.5°	222.1	220.2	211.6	205.9	200.2	194.5	191.7	215.4	216.4
45°	219.2	211.6	203.1	196.4	190.7	185.1	189.8	205.9	209.7
47.5°	216.4	208.8	195.5	187.9	181.3	175.6	187.9	199.3	212.6
50°	212.6	205.0	184.1	178.4	170.8	167.0	183.2	200.2	208.8
52.5°	205.9	200.2	174.6	168.0	160.4	157.5	172.7	195.5	195.5
55°	196.4	191.7	169.9	157.5	149.9	146.1	165.1	182.2	182.2
57.5°	184.1	181.3	163.2	145.2	139.5	135.7	163.2	168.9	169.9
60°	168.0	167.0	156.6	132.9	128.1	126.2	156.6	154.7	154.7
62.5°	151.8	150.9	147.1	121.5	117.7	119.6	141.4	140.5	141.4
65°	135.7	136.7	134.8	110.1	106.3	112.0	126.2	127.2	128.1
67.5°	121.5	120.5	119.6	97.7	94.0	100.6	112.9	112.9	112.9
70°	106.3	105.3	103.4	90.2	82.6	92.1	97.7	98.7	97.7
72.5°	92.1	91.1	88.3	80.7	72.1	83.5	84.5	83.5	83.5
75°	77.8	77.8	75.0	70.2	58.8	70.2	70.2	70.2	69.3
77.5°	64.5	63.6	60.7	56.9	47.4	56.0	55.0	56.9	56.9
80°	51.2	51.2	49.3	42.7	36.1	42.7	43.7	44.6	43.7
82.5°	40.8	40.8	37.0	31.3	24.7	29.4	31.3	33.2	32.3
85°	31.3	30.4	27.5	21.8	16.1	19.0	21.8	22.8	22.8
87.5°	21.8	21.8	19.9	15.2	7.6	12.3	14.2	13.3	11.4
90°	5.7	5.7	5.7	3.8	1.9	3.8	3.8	3.8	2.8
92.5°	11.4	12.3	15.2	16.1	16.1	19.9	25.6	27.5	26.6
95°	43.7	44.6	43.7	43.7	41.8	42.7	46.5	48.4	50.3
97.5°	85.4	83.5	82.6	79.7	71.2	70.2	71.2	73.1	75.0
100°	131.9	128.1	125.3	126.2	105.3	102.5	100.6	100.6	103.4
102.5°	181.3	183.2	171.8	158.5	143.3	136.7	131.9	132.9	132.9
105°	239.1	231.6	237.2	200.2	182.2	173.7	166.1	166.1	165.1
107.5°	291.3	285.6	298.9	245.8	221.1	211.6	203.1	199.3	198.3
110°	359.7	410.9	321.7	289.4	260.0	247.7	238.2	234.4	233.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	485.9	428.0	373.0	338.8	301.8	284.7	273.3	271.4	267.6
115°	476.4	455.5	425.2	382.4	342.6	321.7	309.4	304.6	303.7
117.5°	521.9	511.5	477.3	428.9	381.5	354.9	343.5	337.8	336.9
120°	583.6	568.5	527.6	473.6	420.4	391.9	376.8	373.0	371.1
122.5°	630.1	621.6	576.0	519.1	458.4	425.2	409.0	405.2	405.2
125°	685.2	674.7	625.4	560.9	496.3	457.4	444.1	438.4	437.5
127.5°	738.3	722.2	671.9	606.4	533.3	490.6	475.4	467.9	468.8
130°	788.6	772.5	714.6	647.2	569.4	521.9	506.8	499.2	498.2
132.5°	836.1	814.2	756.4	684.2	603.6	554.2	539.0	526.7	526.7
135°	879.7	859.8	800.0	717.4	637.7	584.6	567.5	557.1	555.2
137.5°	925.3	897.8	838.9	750.7	670.0	617.8	596.9	585.5	579.8
140°	967.0	936.7	877.8	785.8	701.3	645.3	624.4	612.1	607.4
142.5°	999.3	970.8	911.0	817.1	732.6	674.7	645.3	638.7	633.9
145°	1023.0	1000.2	936.7	846.5	764.9	703.2	669.0	663.4	655.8
147.5°	1043.0	1024.9	958.5	873.1	791.5	728.8	690.9	686.1	676.6
150°	1059.1	1039.2	975.6	899.7	815.2	754.5	713.6	706.1	698.5
152.5°	1070.5	1054.3	987.9	922.4	838.9	780.1	735.5	725.0	717.4
155°	1076.2	1060.0	998.3	937.6	859.8	802.9	756.4	745.9	737.4
157.5°	1077.1	1061.9	1005.9	952.8	879.7	821.8	778.2	765.8	758.3
160°	1079.0	1060.0	1010.7	959.4	896.8	843.7	799.1	784.8	782.9
162.5°	1077.1	1055.3	1013.5	967.0	912.9	861.7	819.9	806.6	804.8
165°	1067.6	1049.6	1014.5	972.7	925.3	881.6	838.9	827.5	824.7
167.5°	1051.5	1041.1	1008.8	974.6	936.7	896.8	858.8	848.4	840.8
170°	1033.5	1030.6	1004.0	975.6	946.2	912.0	879.7	869.3	860.7
172.5°	1016.4	1015.4	994.6	974.6	950.9	923.4	900.6	889.2	882.6
175°	997.4	996.4	980.3	972.7	955.6	933.8	919.6	911.0	903.4
177.5°	975.6	977.5	967.0	970.8	955.6	945.2	937.6	932.9	925.3
180°	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6

(END OF REPORT)