

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: P275308

Luminaire Tested: **JW-WL-40L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275308  
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 (5000K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3681.1 lumens  
Efficiency: N/A  
Efficacy: 91.6 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

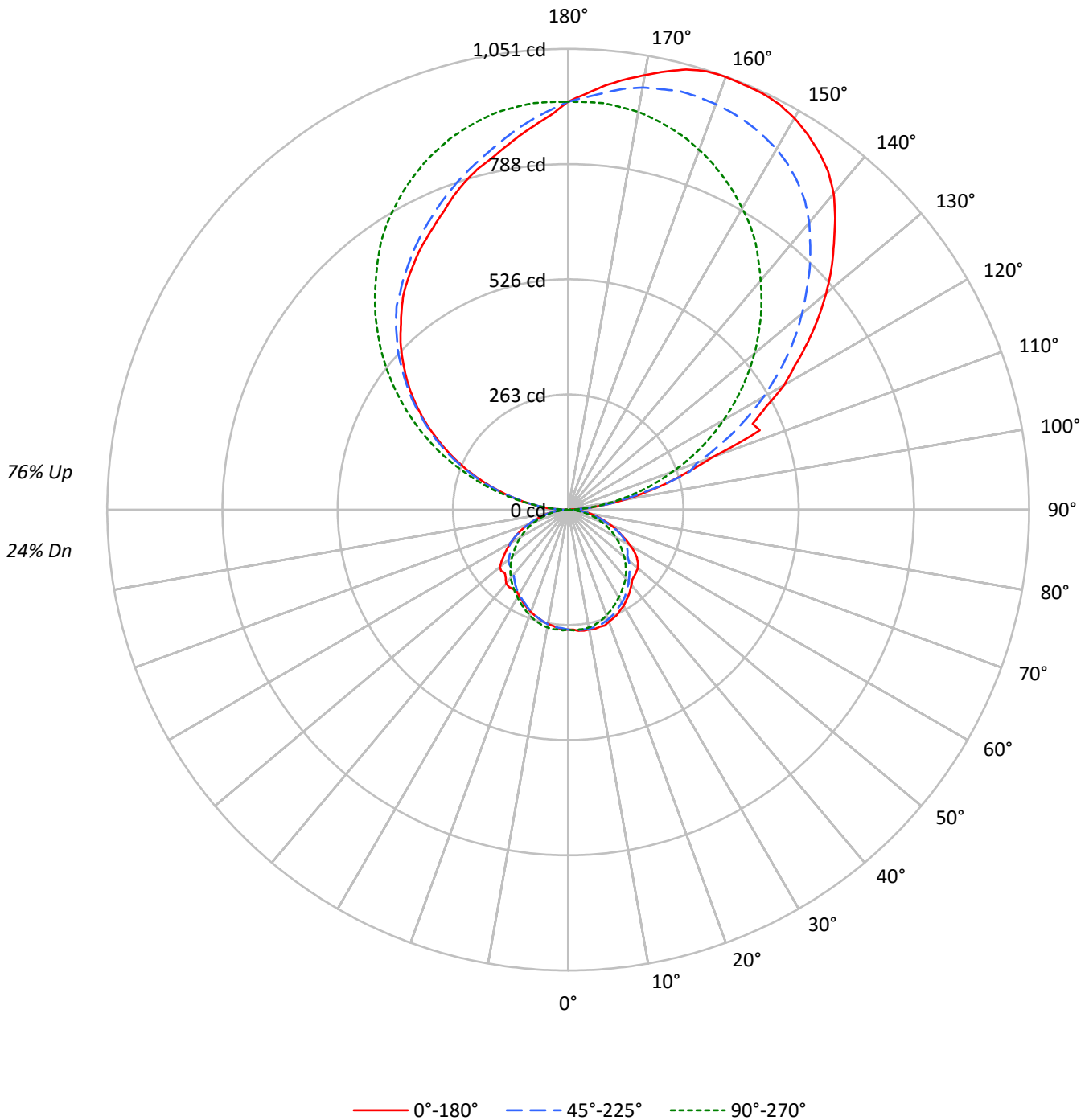
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4416	4416	4416
5°	4493	4447	4387
10°	4545	4469	4333
15°	4618	4448	4294
20°	4668	4397	4271
25°	4708	4345	4231
30°	4721	4307	4204
35°	4717	4279	4352
40°	4732	4285	4635
45°	4873	4240	4663
50°	5200	4177	5107
55°	5385	4110	4994
60°	5280	4027	4863
65°	5047	3954	4764
70°	4886	3795	4494
75°	4729	3575	4211
80°	4640	3264	3952
85°	5650	2908	4113



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.0	0.7
10°-20°	75.1	2.0
20°-30°	113.9	3.1
30°-40°	138.9	3.8
40°-50°	150.9	4.1
50°-60°	147.0	4.0
60°-70°	118.2	3.2
70°-80°	72.5	2.0
80°-90°	25.4	0.7
90°-100°	52.7	1.4
100°-110°	201.7	5.5
110°-120°	355.3	9.7
120°-130°	462.8	12.6
130°-140°	510.7	13.9
140°-150°	488.5	13.3
150°-160°	396.7	10.8
160°-170°	256.3	7.0
170°-180°	88.3	2.4
0°-30°	215.1	5.8
0°-40°	354.0	9.6
0°-60°	651.9	17.7
0°-90°	868.0	23.6
90°-120°	609.7	16.6
90°-150°	2071.8	56.3
90°-180°	2813.0	76.4
0°-180°	3681.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	274	274	274	274	274	
5°	277	275	274	270	271	26
15°	276	273	266	257	257	78
25°	264	257	244	235	238	122
35°	239	231	217	210	221	150
45°	213	198	186	185	204	166
55°	191	165	146	161	177	169
65°	132	131	104	123	125	132
75°	76	73	57	68	68	80
85°	30	27	16	21	22	29
90°	6	6	2	4	3	6
95°	42	42	41	45	49	53
105°	233	231	177	162	161	246
115°	464	414	334	301	296	472
125°	667	609	483	432	426	597
135°	856	779	621	553	540	661
145°	996	912	745	651	638	623
155°	1048	972	837	736	718	483
165°	1040	988	901	817	803	294
175°	971	954	930	895	880	94
180°	930	930	930	930	930	



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CATALOG NUMBER: JW-WL-40L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	273.5	273.5	273.5	273.5	273.5	273.5	273.5	273.5	273.5
2.5°	273.5	275.4	274.4	274.4	275.4	273.5	270.7	272.6	273.5
5°	277.2	277.2	275.4	274.4	274.4	271.7	269.8	269.8	270.7
7.5°	278.1	279.0	275.4	274.4	274.4	270.7	268.9	267.0	267.0
10°	277.2	279.0	275.4	273.5	272.6	268.0	265.2	264.3	264.3
12.5°	279.0	278.1	274.4	272.6	269.8	265.2	261.5	260.6	261.5
15°	276.3	278.1	272.6	268.9	266.1	262.4	256.9	256.9	256.9
17.5°	277.2	275.4	269.8	266.1	261.5	257.8	252.3	253.2	253.2
20°	271.7	273.5	266.1	261.5	255.9	252.3	247.6	247.6	248.6
22.5°	268.0	268.9	261.5	256.9	250.4	246.7	241.2	242.1	243.0
25°	264.3	263.3	256.9	251.3	243.9	239.3	234.7	236.5	237.5
27.5°	257.8	257.8	250.4	244.9	237.5	232.8	229.2	231.0	231.0
30°	253.2	251.3	244.9	238.4	231.0	226.4	223.6	223.6	225.5
32.5°	245.8	243.9	238.4	231.0	224.5	219.0	217.1	217.1	219.0
35°	239.3	236.5	231.0	223.6	217.1	211.6	209.7	210.7	220.8
37.5°	231.9	229.2	222.7	216.2	210.7	203.3	201.4	211.6	221.8
40°	224.5	221.8	214.4	208.8	203.3	195.9	193.1	213.4	219.9
42.5°	216.2	214.4	206.1	200.5	195.0	189.4	186.6	209.7	210.7
45°	213.4	206.1	197.7	191.3	185.7	180.2	184.8	200.5	204.2
47.5°	210.7	203.3	190.3	183.0	176.5	170.9	183.0	194.0	207.0
50°	207.0	199.6	179.3	173.7	166.3	162.6	178.3	195.0	203.3
52.5°	200.5	195.0	170.0	163.5	156.2	153.4	168.2	190.3	190.3
55°	191.3	186.6	165.4	153.4	146.0	142.3	160.8	177.4	177.4
57.5°	179.3	176.5	158.9	141.4	135.8	132.1	158.9	164.5	165.4
60°	163.5	162.6	152.5	129.4	124.7	122.9	152.5	150.6	150.6
62.5°	147.8	146.9	143.2	118.3	114.6	116.4	137.7	136.8	137.7
65°	132.1	133.1	131.2	107.2	103.5	109.0	122.9	123.8	124.7
67.5°	118.3	117.3	116.4	95.2	91.5	97.9	110.0	110.0	110.0
70°	103.5	102.6	100.7	87.8	80.4	89.6	95.2	96.1	95.2
72.5°	89.6	88.7	85.9	78.5	70.2	81.3	82.2	81.3	81.3
75°	75.8	75.8	73.0	68.4	57.3	68.4	68.4	68.4	67.5
77.5°	62.8	61.9	59.1	55.4	46.2	54.5	53.6	55.4	55.4
80°	49.9	49.9	48.0	41.6	35.1	41.6	42.5	43.4	42.5
82.5°	39.7	39.7	36.0	30.5	24.0	28.6	30.5	32.3	31.4
85°	30.5	29.6	26.8	21.3	15.7	18.5	21.3	22.2	22.2
87.5°	21.3	21.3	19.4	14.8	7.4	12.0	13.9	12.9	11.1
90°	5.5	5.5	5.5	3.7	1.8	3.7	3.7	3.7	2.8
92.5°	11.1	12.0	14.8	15.7	15.7	19.4	24.9	26.8	25.9
95°	42.5	43.4	42.5	42.5	40.7	41.6	45.3	47.1	49.0
97.5°	83.2	81.3	80.4	77.6	69.3	68.4	69.3	71.1	73.0
100°	128.4	124.7	122.0	122.9	102.6	99.8	97.9	97.9	100.7
102.5°	176.5	178.3	167.2	154.3	139.5	133.1	128.4	129.4	129.4
105°	232.8	225.5	231.0	195.0	177.4	169.1	161.7	161.7	160.8
107.5°	283.7	278.1	291.1	239.3	215.3	206.1	197.7	194.0	193.1
110°	350.2	400.1	313.2	281.8	253.2	241.2	231.9	228.2	227.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	473.1	416.7	363.1	329.9	293.8	277.2	266.1	264.3	260.6
115°	463.8	443.5	414.0	372.4	333.6	313.2	301.2	296.6	295.7
117.5°	508.2	498.0	464.8	417.6	371.4	345.6	334.5	328.9	328.0
120°	568.3	553.5	513.7	461.1	409.3	381.6	366.8	363.1	361.3
122.5°	613.5	605.2	560.9	505.4	446.3	414.0	398.2	394.5	394.5
125°	667.1	657.0	608.9	546.1	483.3	445.4	432.4	426.9	426.0
127.5°	718.9	703.2	654.2	590.4	519.3	477.7	462.9	455.5	456.5
130°	767.8	752.1	695.8	630.2	554.4	508.2	493.4	486.0	485.1
132.5°	814.0	792.8	736.4	666.2	587.7	539.6	524.8	512.8	512.8
135°	856.5	837.1	778.9	698.5	620.9	569.2	552.6	542.4	540.5
137.5°	900.9	874.1	816.8	730.9	652.3	601.5	581.2	570.1	564.6
140°	941.6	912.0	854.7	765.1	682.8	628.3	608.0	596.0	591.4
142.5°	973.0	945.3	887.0	795.6	713.3	657.0	628.3	621.9	617.2
145°	996.1	973.9	912.0	824.2	744.7	684.7	651.4	645.9	638.5
147.5°	1015.5	997.9	933.2	850.1	770.6	709.6	672.7	668.1	658.8
150°	1031.2	1011.8	949.9	876.0	793.7	734.6	694.8	687.5	680.1
152.5°	1042.3	1026.6	961.9	898.1	816.8	759.5	716.1	705.9	698.5
155°	1047.8	1032.1	972.0	912.9	837.1	781.7	736.4	726.3	717.9
157.5°	1048.7	1034.0	979.4	927.7	856.5	800.2	757.7	745.7	738.3
160°	1050.6	1032.1	984.1	934.2	873.2	821.4	778.0	764.1	762.3
162.5°	1048.7	1027.5	986.8	941.6	888.9	839.0	798.3	785.4	783.6
165°	1039.5	1021.9	987.8	947.1	900.9	858.4	816.8	805.7	803.0
167.5°	1023.8	1013.6	982.2	948.9	912.0	873.2	836.2	826.1	818.7
170°	1006.2	1003.5	977.6	949.9	921.2	888.0	856.5	846.4	838.1
172.5°	989.6	988.7	968.4	948.9	925.8	899.1	876.9	865.8	859.3
175°	971.1	970.2	954.5	947.1	930.5	909.2	895.4	887.0	879.6
177.5°	949.9	951.7	941.6	945.3	930.5	920.3	912.9	908.3	900.9
180°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5

(END OF REPORT)