

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: P275306

Luminaire Tested: **JW-WL-40L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275306
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 (4000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3517.7 lumens
Efficiency: N/A
Efficacy: 88.4 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

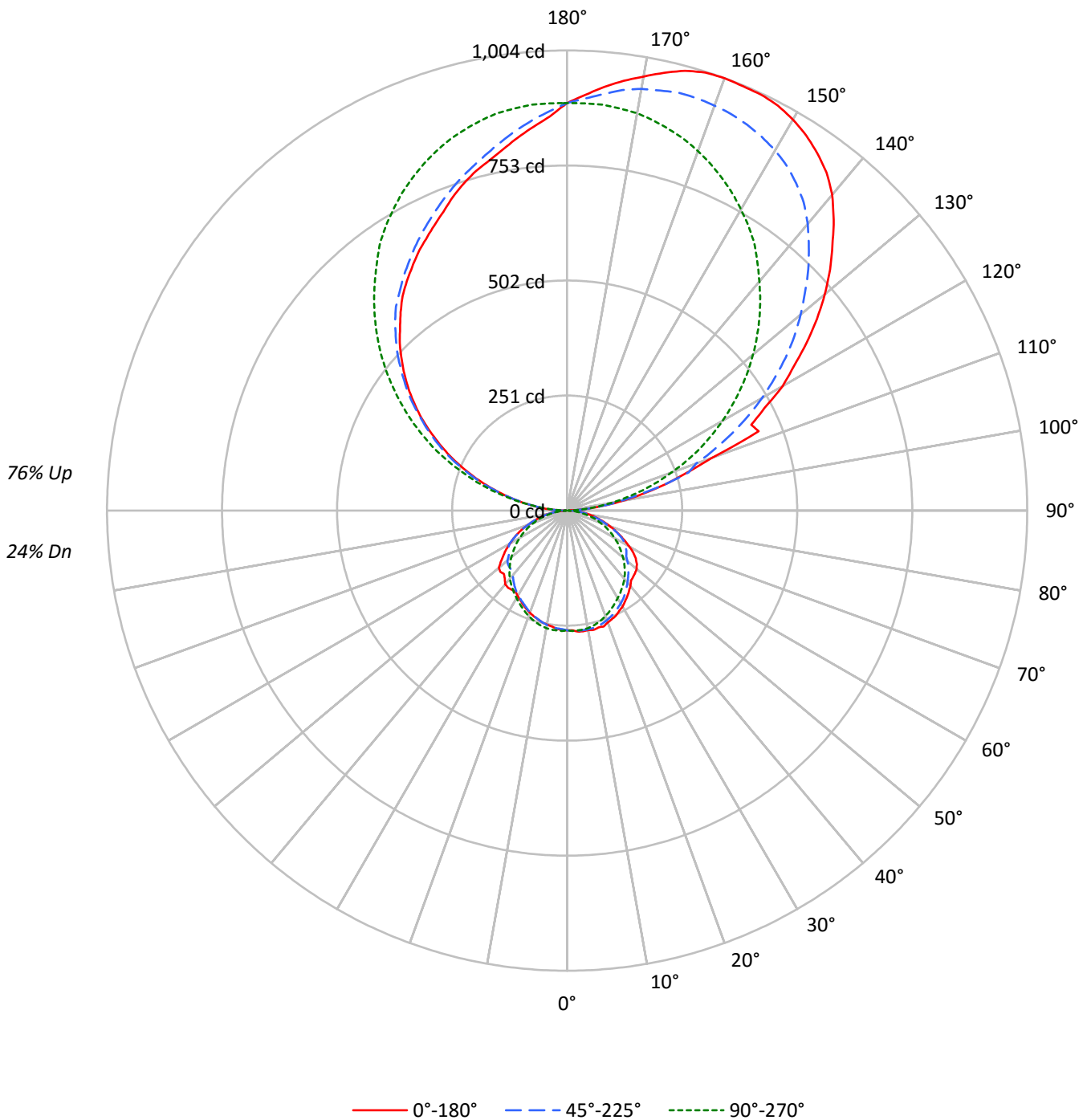
Input Watts (W): 39.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4221	4221	4221
5°	4293	4251	4193
10°	4343	4271	4140
15°	4413	4251	4104
20°	4460	4203	4081
25°	4498	4153	4042
30°	4510	4115	4018
35°	4508	4090	4159
40°	4523	4095	4430
45°	4658	4053	4455
50°	4968	3991	4881
55°	5146	3927	4771
60°	5047	3849	4647
65°	4825	3778	4554
70°	4669	3626	4291
75°	4517	3412	4024
80°	4435	3124	3775
85°	5391	2779	3927



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	0.7
10°-20°	71.8	2.0
20°-30°	108.9	3.1
30°-40°	132.7	3.8
40°-50°	144.2	4.1
50°-60°	140.5	4.0
60°-70°	112.9	3.2
70°-80°	69.3	2.0
80°-90°	24.3	0.7
90°-100°	50.3	1.4
100°-110°	192.8	5.5
110°-120°	339.6	9.7
120°-130°	442.3	12.6
130°-140°	488.1	13.9
140°-150°	466.8	13.3
150°-160°	379.1	10.8
160°-170°	244.9	7.0
170°-180°	84.4	2.4
0°-30°	205.5	5.8
0°-40°	338.3	9.6
0°-60°	622.9	17.7
0°-90°	829.5	23.6
90°-120°	582.7	16.6
90°-150°	1979.9	56.3
90°-180°	2688.0	76.4
0°-180°	3517.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	261	261	261	261	261	
5°	265	263	262	258	259	25
15°	264	260	254	246	246	75
25°	252	246	233	224	227	116
35°	229	221	208	200	211	143
45°	204	189	178	177	195	158
55°	183	158	140	154	170	162
65°	126	125	99	117	119	126
75°	72	70	55	65	64	77
85°	29	26	15	20	21	28
90°	5	5	2	4	3	6
95°	41	41	39	43	47	51
105°	222	221	170	154	154	235
115°	443	396	319	288	283	451
125°	638	582	462	413	407	570
135°	818	744	593	528	517	632
145°	952	872	712	622	610	595
155°	1001	929	800	704	686	462
165°	993	944	861	781	767	281
175°	928	912	889	856	841	90
180°	889	889	889	889	889	



TEST NUMBER: P275306

CATALOG NUMBER: JW-WL-40L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	261.4	263.1	262.3	262.3	263.1	261.4	258.7	260.5	261.4
5°	264.9	264.9	263.1	262.3	262.3	259.6	257.8	257.8	258.7
7.5°	265.8	266.7	263.1	262.3	262.3	258.7	257.0	255.2	255.2
10°	264.9	266.7	263.1	261.4	260.5	256.1	253.4	252.5	252.5
12.5°	266.7	265.8	262.3	260.5	257.8	253.4	249.9	249.0	249.9
15°	264.0	265.8	260.5	257.0	254.3	250.8	245.5	245.5	245.5
17.5°	264.9	263.1	257.8	254.3	249.9	246.4	241.1	241.9	241.9
20°	259.6	261.4	254.3	249.9	244.6	241.1	236.6	236.6	237.5
22.5°	256.1	257.0	249.9	245.5	239.3	235.8	230.5	231.3	232.2
25°	252.5	251.7	245.5	240.2	233.1	228.7	224.3	226.0	226.9
27.5°	246.4	246.4	239.3	234.0	226.9	222.5	219.0	220.7	220.7
30°	241.9	240.2	234.0	227.8	220.7	216.3	213.7	213.7	215.5
32.5°	234.9	233.1	227.8	220.7	214.6	209.3	207.5	207.5	209.3
35°	228.7	226.0	220.7	213.7	207.5	202.2	200.4	201.3	211.0
37.5°	221.6	219.0	212.8	206.6	201.3	194.3	192.5	202.2	211.9
40°	214.6	211.9	204.9	199.6	194.3	187.2	184.5	204.0	210.2
42.5°	206.6	204.9	196.9	191.6	186.3	181.0	178.4	200.4	201.3
45°	204.0	196.9	189.0	182.8	177.5	172.2	176.6	191.6	195.1
47.5°	201.3	194.3	181.9	174.8	168.7	163.4	174.8	185.4	197.8
50°	197.8	190.7	171.3	166.0	158.9	155.4	170.4	186.3	194.3
52.5°	191.6	186.3	162.5	156.3	149.2	146.6	160.7	181.9	181.9
55°	182.8	178.4	158.1	146.6	139.5	136.0	153.6	169.5	169.5
57.5°	171.3	168.7	151.9	135.1	129.8	126.3	151.9	157.2	158.1
60°	156.3	155.4	145.7	123.6	119.2	117.4	145.7	143.9	143.9
62.5°	141.3	140.4	136.9	113.0	109.5	111.3	131.6	130.7	131.6
65°	126.3	127.2	125.4	102.4	98.9	104.2	117.4	118.3	119.2
67.5°	113.0	112.1	111.3	90.9	87.4	93.6	105.1	105.1	105.1
70°	98.9	98.0	96.2	83.9	76.8	85.7	90.9	91.8	90.9
72.5°	85.7	84.8	82.1	75.1	67.1	77.7	78.6	77.7	77.7
75°	72.4	72.4	69.8	65.3	54.7	65.3	65.3	65.3	64.5
77.5°	60.0	59.2	56.5	53.0	44.1	52.1	51.2	53.0	53.0
80°	47.7	47.7	45.9	39.7	33.6	39.7	40.6	41.5	40.6
82.5°	38.0	38.0	34.4	29.1	23.0	27.4	29.1	30.9	30.0
85°	29.1	28.3	25.6	20.3	15.0	17.7	20.3	21.2	21.2
87.5°	20.3	20.3	18.5	14.1	7.1	11.5	13.2	12.4	10.6
90°	5.3	5.3	5.3	3.5	1.8	3.5	3.5	3.5	2.6
92.5°	10.6	11.5	14.1	15.0	15.0	18.5	23.8	25.6	24.7
95°	40.6	41.5	40.6	40.6	38.9	39.7	43.3	45.0	46.8
97.5°	79.5	77.7	76.8	74.2	66.2	65.3	66.2	68.0	69.8
100°	122.7	119.2	116.6	117.4	98.0	95.4	93.6	93.6	96.2
102.5°	168.7	170.4	159.8	147.5	133.3	127.2	122.7	123.6	123.6
105°	222.5	215.5	220.7	186.3	169.5	161.6	154.5	154.5	153.6
107.5°	271.1	265.8	278.1	228.7	205.7	196.9	189.0	185.4	184.5
110°	334.7	382.3	299.3	269.3	241.9	230.5	221.6	218.1	217.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	452.1	398.2	347.0	315.2	280.8	264.9	254.3	252.5	249.0
115°	443.3	423.8	395.6	355.8	318.8	299.3	287.9	283.4	282.6
117.5°	485.6	475.9	444.1	399.1	355.0	330.2	319.6	314.3	313.5
120°	543.0	528.9	490.9	440.6	391.2	364.7	350.6	347.0	345.3
122.5°	586.3	578.4	536.0	483.0	426.5	395.6	380.6	377.0	377.0
125°	637.5	627.8	581.9	521.9	461.8	425.6	413.2	407.9	407.1
127.5°	687.0	672.0	625.2	564.2	496.2	456.5	442.4	435.3	436.2
130°	733.8	718.8	664.9	602.2	529.8	485.6	471.5	464.5	463.6
132.5°	777.9	757.6	703.7	636.6	561.6	515.7	501.5	490.1	490.1
135°	818.5	800.0	744.4	667.5	593.4	543.9	528.0	518.3	516.6
137.5°	860.9	835.3	780.6	698.5	623.4	574.8	555.4	544.8	539.5
140°	899.8	871.5	816.8	731.1	652.5	600.4	581.0	569.5	565.1
142.5°	929.8	903.3	847.7	760.3	681.7	627.8	600.4	594.3	589.8
145°	951.9	930.7	871.5	787.6	711.7	654.3	622.5	617.2	610.2
147.5°	970.4	953.6	891.8	812.4	736.4	678.1	642.8	638.4	629.6
150°	985.4	966.9	907.7	837.1	758.5	702.0	664.0	657.0	649.9
152.5°	996.0	981.0	919.2	858.3	780.6	725.8	684.3	674.6	667.5
155°	1001.3	986.3	928.9	872.4	800.0	747.0	703.7	694.0	686.1
157.5°	1002.2	988.1	936.0	886.5	818.5	764.7	724.1	712.6	705.5
160°	1004.0	986.3	940.4	892.7	834.4	785.0	743.5	730.2	728.5
162.5°	1002.2	981.9	943.0	899.8	849.4	801.8	762.9	750.5	748.8
165°	993.4	976.6	943.9	905.1	860.9	820.3	780.6	770.0	767.3
167.5°	978.4	968.6	938.6	906.8	871.5	834.4	799.1	789.4	782.3
170°	961.6	958.9	934.2	907.7	880.3	848.6	818.5	808.8	800.9
172.5°	945.7	944.8	925.4	906.8	884.8	859.2	838.0	827.4	821.2
175°	928.0	927.1	912.1	905.1	889.2	868.9	855.6	847.7	840.6
177.5°	907.7	909.5	899.8	903.3	889.2	879.5	872.4	868.0	860.9
180°	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2

(END OF REPORT)