

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: P275296

Luminaire Tested: **JW-WL-40L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275296
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 (3000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3760.8 lumens
Efficiency: N/A
Efficacy: 96.4 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

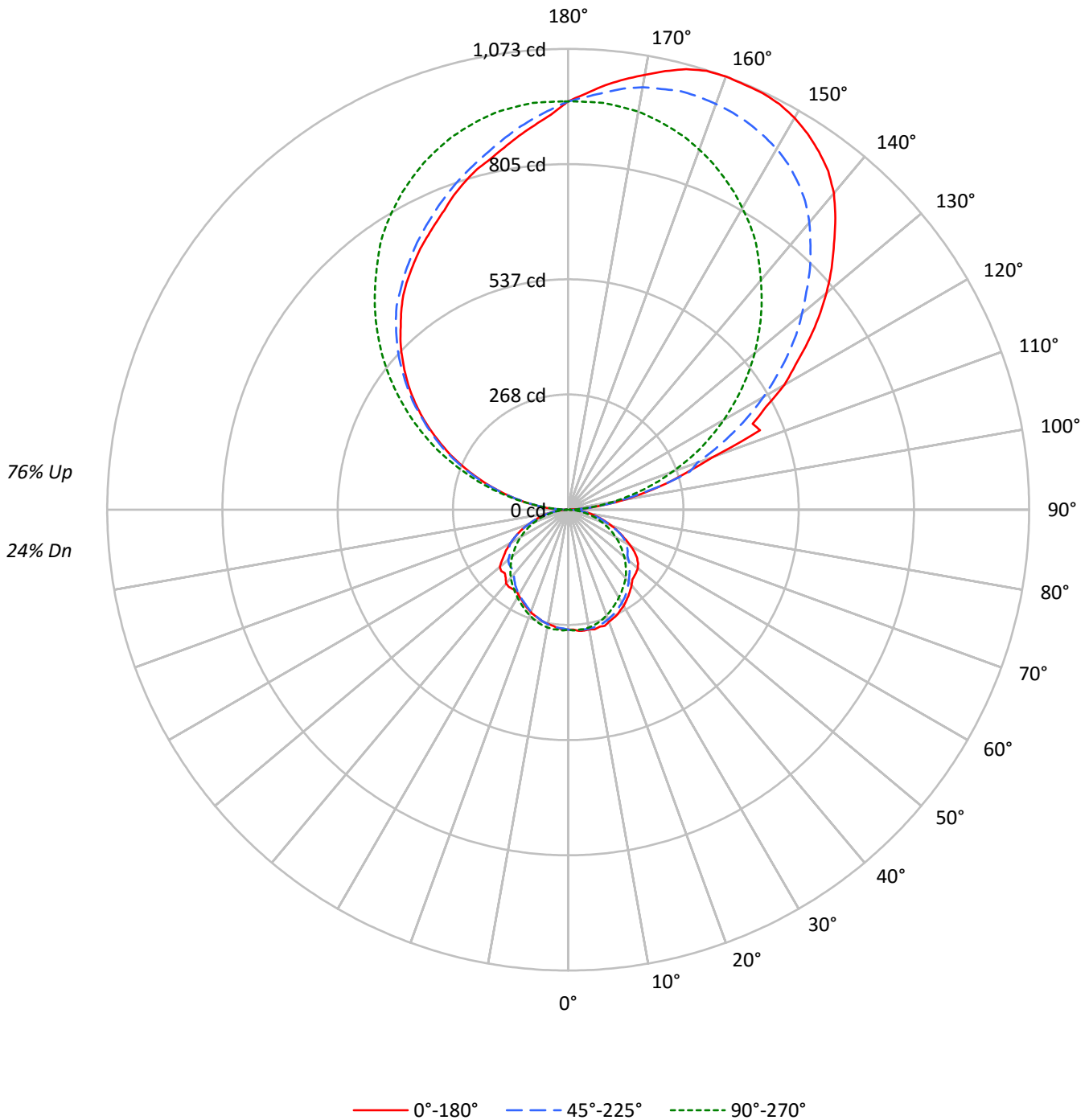
Input Watts (W): 39
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4511	4511	4511
5°	4590	4545	4483
10°	4643	4566	4427
15°	4719	4545	4386
20°	4768	4493	4363
25°	4810	4439	4322
30°	4823	4400	4294
35°	4819	4372	4447
40°	4835	4378	4736
45°	4980	4332	4763
50°	5313	4268	5217
55°	5500	4200	5101
60°	5396	4114	4970
65°	5158	4038	4867
70°	4990	3876	4589
75°	4828	3649	4298
80°	4742	3338	4035
85°	5780	2964	4205



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	0.7
10°-20°	76.7	2.0
20°-30°	116.4	3.1
30°-40°	141.9	3.8
40°-50°	154.2	4.1
50°-60°	150.2	4.0
60°-70°	120.7	3.2
70°-80°	74.1	2.0
80°-90°	26.0	0.7
90°-100°	53.8	1.4
100°-110°	206.1	5.5
110°-120°	363.0	9.7
120°-130°	472.9	12.6
130°-140°	521.8	13.9
140°-150°	499.1	13.3
150°-160°	405.3	10.8
160°-170°	261.8	7.0
170°-180°	90.2	2.4
0°-30°	219.7	5.8
0°-40°	361.6	9.6
0°-60°	666.0	17.7
0°-90°	886.8	23.6
90°-120°	623.0	16.6
90°-150°	2116.7	56.3
90°-180°	2874.0	76.4
0°-180°	3760.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	279	279	279	279	279	
5°	283	281	280	276	277	27
15°	282	278	272	262	262	80
25°	270	262	249	240	243	124
35°	244	236	222	214	226	153
45°	218	202	190	189	209	169
55°	195	169	149	164	181	173
65°	135	134	106	126	127	134
75°	77	75	58	70	69	82
85°	31	27	16	22	23	29
90°	6	6	2	4	3	6
95°	43	43	42	46	50	54
105°	238	236	181	165	164	251
115°	474	423	341	308	302	482
125°	682	622	494	442	435	609
135°	875	796	634	564	552	676
145°	1018	932	761	666	652	636
155°	1070	993	855	752	734	494
165°	1062	1009	920	834	820	300
175°	992	975	951	915	899	96
180°	951	951	951	951	951	



TEST NUMBER: P275296

CATALOG NUMBER: JW-WL-40L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4
2.5°	279.4	281.3	280.4	280.4	281.3	279.4	276.6	278.5	279.4
5°	283.2	283.2	281.3	280.4	280.4	277.5	275.6	275.6	276.6
7.5°	284.1	285.1	281.3	280.4	280.4	276.6	274.7	272.8	272.8
10°	283.2	285.1	281.3	279.4	278.5	273.8	270.9	270.0	270.0
12.5°	285.1	284.1	280.4	278.5	275.6	270.9	267.2	266.2	267.2
15°	282.3	284.1	278.5	274.7	271.9	268.1	262.4	262.4	262.4
17.5°	283.2	281.3	275.6	271.9	267.2	263.4	257.7	258.7	258.7
20°	277.5	279.4	271.9	267.2	261.5	257.7	253.0	253.0	253.9
22.5°	273.8	274.7	267.2	262.4	255.8	252.0	246.4	247.3	248.3
25°	270.0	269.0	262.4	256.8	249.2	244.5	239.8	241.7	242.6
27.5°	263.4	263.4	255.8	250.2	242.6	237.9	234.1	236.0	236.0
30°	258.7	256.8	250.2	243.6	236.0	231.3	228.4	228.4	230.3
32.5°	251.1	249.2	243.6	236.0	229.4	223.7	221.8	221.8	223.7
35°	244.5	241.7	236.0	228.4	221.8	216.2	214.3	215.2	225.6
37.5°	236.9	234.1	227.5	220.9	215.2	207.7	205.8	216.2	226.6
40°	229.4	226.6	219.0	213.3	207.7	200.1	197.3	218.1	224.7
42.5°	220.9	219.0	210.5	204.8	199.2	193.5	190.7	214.3	215.2
45°	218.1	210.5	202.0	195.4	189.7	184.1	188.8	204.8	208.6
47.5°	215.2	207.7	194.5	186.9	180.3	174.6	186.9	198.2	211.5
50°	211.5	203.9	183.1	177.5	169.9	166.1	182.2	199.2	207.7
52.5°	204.8	199.2	173.7	167.1	159.5	156.7	171.8	194.5	194.5
55°	195.4	190.7	169.0	156.7	149.2	145.4	164.3	181.2	181.2
57.5°	183.1	180.3	162.4	144.4	138.8	135.0	162.4	168.0	169.0
60°	167.1	166.1	155.8	132.2	127.4	125.6	155.8	153.9	153.9
62.5°	151.0	150.1	146.3	120.8	117.1	118.9	140.7	139.7	140.7
65°	135.0	135.9	134.0	109.5	105.7	111.4	125.6	126.5	127.4
67.5°	120.8	119.9	118.9	97.2	93.5	100.1	112.3	112.3	112.3
70°	105.7	104.8	102.9	89.7	82.1	91.6	97.2	98.2	97.2
72.5°	91.6	90.6	87.8	80.2	71.7	83.1	84.0	83.1	83.1
75°	77.4	77.4	74.6	69.9	58.5	69.9	69.9	69.9	68.9
77.5°	64.2	63.2	60.4	56.6	47.2	55.7	54.8	56.6	56.6
80°	51.0	51.0	49.1	42.5	35.9	42.5	43.4	44.4	43.4
82.5°	40.6	40.6	36.8	31.2	24.5	29.3	31.2	33.0	32.1
85°	31.2	30.2	27.4	21.7	16.0	18.9	21.7	22.7	22.7
87.5°	21.7	21.7	19.8	15.1	7.6	12.3	14.2	13.2	11.3
90°	5.7	5.7	5.7	3.8	1.9	3.8	3.8	3.8	2.8
92.5°	11.3	12.3	15.1	16.0	16.0	19.8	25.5	27.4	26.4
95°	43.4	44.4	43.4	43.4	41.5	42.5	46.3	48.1	50.0
97.5°	85.0	83.1	82.1	79.3	70.8	69.9	70.8	72.7	74.6
100°	131.2	127.4	124.6	125.6	104.8	102.0	100.1	100.1	102.9
102.5°	180.3	182.2	170.9	157.6	142.5	135.9	131.2	132.2	132.2
105°	237.9	230.3	236.0	199.2	181.2	172.8	165.2	165.2	164.3
107.5°	289.8	284.1	297.4	244.5	220.0	210.5	202.0	198.2	197.3
110°	357.8	408.8	320.0	287.9	258.7	246.4	236.9	233.2	232.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	483.3	425.7	371.0	337.0	300.2	283.2	271.9	270.0	266.2
115°	473.9	453.1	422.9	380.4	340.8	320.0	307.7	303.0	302.1
117.5°	519.2	508.8	474.8	426.7	379.5	353.1	341.7	336.1	335.1
120°	580.6	565.5	524.9	471.1	418.2	389.9	374.8	371.0	369.1
122.5°	626.8	618.3	573.0	516.4	456.0	422.9	406.9	403.1	403.1
125°	681.6	671.2	622.1	557.9	493.7	455.0	441.8	436.1	435.2
127.5°	734.4	718.4	668.4	603.2	530.5	488.0	472.9	465.4	466.3
130°	784.5	768.4	710.8	643.8	566.4	519.2	504.1	496.5	495.6
132.5°	831.7	810.0	752.4	680.6	600.4	551.3	536.2	523.9	523.9
135°	875.1	855.3	795.8	713.7	634.4	581.5	564.5	554.1	552.2
137.5°	920.4	893.0	834.5	746.7	666.5	614.5	593.8	582.4	576.8
140°	961.9	931.7	873.2	781.6	697.6	641.9	621.2	608.9	604.2
142.5°	994.0	965.7	906.2	812.8	728.8	671.2	641.9	635.3	630.6
145°	1017.6	995.0	931.7	842.0	760.9	699.5	665.5	659.9	652.3
147.5°	1037.5	1019.5	953.4	868.5	787.3	725.0	687.2	682.5	673.1
150°	1053.5	1033.7	970.4	894.9	810.9	750.5	709.9	702.3	694.8
152.5°	1064.8	1048.8	982.7	917.6	834.5	776.0	731.6	721.2	713.7
155°	1070.5	1054.4	993.1	932.7	855.3	798.6	752.4	742.0	733.5
157.5°	1071.4	1056.3	1000.6	947.8	875.1	817.5	774.1	761.8	754.3
160°	1073.3	1054.4	1005.4	954.4	892.1	839.2	794.8	780.7	778.8
162.5°	1071.4	1049.7	1008.2	961.9	908.1	857.2	815.6	802.4	800.5
165°	1062.0	1044.1	1009.1	967.6	920.4	877.0	834.5	823.2	820.3
167.5°	1046.0	1035.6	1003.5	969.5	931.7	892.1	854.3	843.9	836.4
170°	1028.0	1025.2	998.8	970.4	941.2	907.2	875.1	864.7	856.2
172.5°	1011.0	1010.1	989.3	969.5	945.9	918.5	895.9	884.5	877.9
175°	992.1	991.2	975.2	967.6	950.6	928.9	914.7	906.2	898.7
177.5°	970.4	972.3	961.9	965.7	950.6	940.2	932.7	928.0	920.4
180°	950.6	950.6	950.6	950.6	950.6	950.6	950.6	950.6	950.6

(END OF REPORT)