

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: P275303

Luminaire Tested: **JW-WL-40L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275303
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 (2700K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3123.4 lumens
Efficiency: N/A
Efficacy: 79.7 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

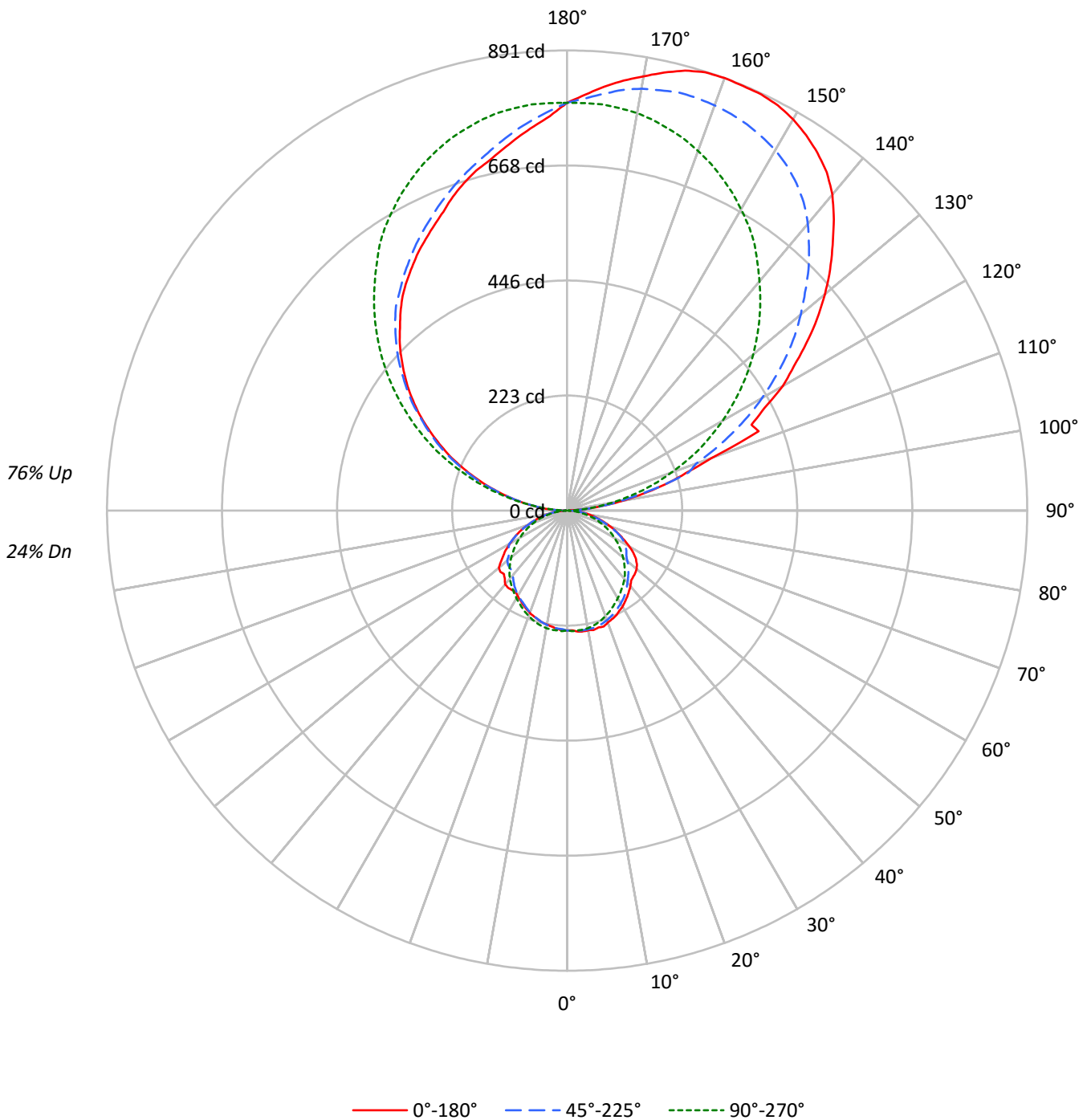
Input Watts (W): 39.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3747	3747	3747
5°	3812	3773	3723
10°	3856	3792	3676
15°	3918	3774	3644
20°	3960	3732	3624
25°	3994	3688	3590
30°	4005	3654	3567
35°	4003	3631	3694
40°	4015	3636	3933
45°	4135	3599	3957
50°	4411	3544	4333
55°	4569	3488	4236
60°	4482	3416	4127
65°	4283	3354	4042
70°	4145	3220	3814
75°	4011	3032	3568
80°	3933	2771	3357
85°	4798	2464	3483



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	0.7
10°-20°	63.7	2.0
20°-30°	96.7	3.1
30°-40°	117.9	3.8
40°-50°	128.0	4.1
50°-60°	124.7	4.0
60°-70°	100.3	3.2
70°-80°	61.5	2.0
80°-90°	21.6	0.7
90°-100°	44.7	1.4
100°-110°	171.2	5.5
110°-120°	301.5	9.7
120°-130°	392.7	12.6
130°-140°	433.3	13.9
140°-150°	414.5	13.3
150°-160°	336.6	10.8
160°-170°	217.5	7.0
170°-180°	74.9	2.4
0°-30°	182.5	5.8
0°-40°	300.3	9.6
0°-60°	553.1	17.7
0°-90°	736.5	23.6
90°-120°	517.4	16.6
90°-150°	1757.9	56.3
90°-180°	2387.0	76.4
0°-180°	3123.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	232	232	232	232	232	
5°	235	234	233	229	230	22
15°	234	231	226	218	218	67
25°	224	218	207	199	202	103
35°	203	196	184	178	187	127
45°	181	168	158	157	173	141
55°	162	140	124	136	150	144
65°	112	111	88	104	106	112
75°	64	62	49	58	57	68
85°	26	23	13	18	19	24
90°	5	5	2	3	2	5
95°	36	36	34	38	42	45
105°	198	196	150	137	136	208
115°	394	351	283	256	251	400
125°	566	517	410	367	361	506
135°	727	661	527	469	459	561
145°	845	774	632	553	542	528
155°	889	825	710	625	609	410
165°	882	838	764	693	681	250
175°	824	810	790	760	746	80
180°	790	790	790	790	790	



TEST NUMBER: P275303

CATALOG NUMBER: JW-WL-40L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	232.1	232.1	232.1	232.1	232.1	232.1	232.1	232.1	232.1
2.5°	232.1	233.6	232.8	232.8	233.6	232.1	229.7	231.3	232.1
5°	235.2	235.2	233.6	232.8	232.8	230.5	228.9	228.9	229.7
7.5°	236.0	236.8	233.6	232.8	232.8	229.7	228.1	226.6	226.6
10°	235.2	236.8	233.6	232.1	231.3	227.4	225.0	224.2	224.2
12.5°	236.8	236.0	232.8	231.3	228.9	225.0	221.9	221.1	221.9
15°	234.4	236.0	231.3	228.1	225.8	222.7	218.0	218.0	218.0
17.5°	235.2	233.6	228.9	225.8	221.9	218.7	214.0	214.8	214.8
20°	230.5	232.1	225.8	221.9	217.2	214.0	210.1	210.1	210.9
22.5°	227.4	228.1	221.9	218.0	212.5	209.3	204.6	205.4	206.2
25°	224.2	223.4	218.0	213.2	207.0	203.1	199.1	200.7	201.5
27.5°	218.7	218.7	212.5	207.8	201.5	197.6	194.4	196.0	196.0
30°	214.8	213.2	207.8	202.3	196.0	192.1	189.7	189.7	191.3
32.5°	208.5	207.0	202.3	196.0	190.5	185.8	184.2	184.2	185.8
35°	203.1	200.7	196.0	189.7	184.2	179.5	178.0	178.8	187.4
37.5°	196.8	194.4	188.9	183.5	178.8	172.5	170.9	179.5	188.2
40°	190.5	188.2	181.9	177.2	172.5	166.2	163.9	181.1	186.6
42.5°	183.5	181.9	174.8	170.1	165.4	160.7	158.4	178.0	178.8
45°	181.1	174.8	167.8	162.3	157.6	152.9	156.8	170.1	173.3
47.5°	178.8	172.5	161.5	155.2	149.7	145.0	155.2	164.6	175.6
50°	175.6	169.3	152.1	147.4	141.1	138.0	151.3	165.4	172.5
52.5°	170.1	165.4	144.3	138.8	132.5	130.1	142.7	161.5	161.5
55°	162.3	158.4	140.3	130.1	123.9	120.7	136.4	150.5	150.5
57.5°	152.1	149.7	134.8	120.0	115.2	112.1	134.8	139.6	140.3
60°	138.8	138.0	129.4	109.8	105.8	104.3	129.4	127.8	127.8
62.5°	125.4	124.7	121.5	100.4	97.2	98.8	116.8	116.0	116.8
65°	112.1	112.9	111.3	90.9	87.8	92.5	104.3	105.1	105.8
67.5°	100.4	99.6	98.8	80.8	77.6	83.1	93.3	93.3	93.3
70°	87.8	87.0	85.5	74.5	68.2	76.0	80.8	81.5	80.8
72.5°	76.0	75.3	72.9	66.6	59.6	69.0	69.8	69.0	69.0
75°	64.3	64.3	61.9	58.0	48.6	58.0	58.0	58.0	57.2
77.5°	53.3	52.5	50.2	47.0	39.2	46.3	45.5	47.0	47.0
80°	42.3	42.3	40.8	35.3	29.8	35.3	36.1	36.8	36.1
82.5°	33.7	33.7	30.6	25.9	20.4	24.3	25.9	27.4	26.7
85°	25.9	25.1	22.7	18.0	13.3	15.7	18.0	18.8	18.8
87.5°	18.0	18.0	16.5	12.5	6.3	10.2	11.8	11.0	9.4
90°	4.7	4.7	4.7	3.1	1.6	3.1	3.1	3.1	2.4
92.5°	9.4	10.2	12.5	13.3	13.3	16.5	21.2	22.7	22.0
95°	36.1	36.8	36.1	36.1	34.5	35.3	38.4	40.0	41.6
97.5°	70.6	69.0	68.2	65.9	58.8	58.0	58.8	60.4	61.9
100°	109.0	105.8	103.5	104.3	87.0	84.7	83.1	83.1	85.5
102.5°	149.7	151.3	141.9	130.9	118.4	112.9	109.0	109.8	109.8
105°	197.6	191.3	196.0	165.4	150.5	143.5	137.2	137.2	136.4
107.5°	240.7	236.0	247.0	203.1	182.7	174.8	167.8	164.6	163.9
110°	297.1	339.5	265.8	239.1	214.8	204.6	196.8	193.6	192.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	401.4	353.6	308.1	279.9	249.3	235.2	225.8	224.2	221.1
115°	393.6	376.3	351.2	316.0	283.0	265.8	255.6	251.7	250.9
117.5°	431.2	422.6	394.4	354.4	315.2	293.2	283.8	279.1	278.3
120°	482.2	469.6	435.9	391.2	347.3	323.8	311.2	308.1	306.5
122.5°	520.6	513.5	475.9	428.8	378.7	351.2	337.9	334.8	334.8
125°	566.0	557.4	516.7	463.3	410.0	377.9	366.9	362.2	361.4
127.5°	610.0	596.6	555.1	501.0	440.6	405.3	392.8	386.5	387.3
130°	651.5	638.2	590.4	534.7	470.4	431.2	418.7	412.4	411.6
132.5°	690.7	672.7	624.8	565.3	498.6	457.9	445.3	435.1	435.1
135°	726.8	710.3	660.9	592.7	526.8	482.9	468.8	460.2	458.6
137.5°	764.4	741.7	693.1	620.1	553.5	510.4	493.1	483.7	479.0
140°	798.9	773.8	725.2	649.2	579.4	533.1	515.9	505.7	501.8
142.5°	825.6	802.0	752.6	675.0	605.2	557.4	533.1	527.6	523.7
145°	845.2	826.3	773.8	699.3	631.9	580.9	552.7	548.0	541.7
147.5°	861.6	846.7	791.8	721.3	653.9	602.1	570.8	566.8	559.0
150°	874.9	858.5	806.0	743.2	673.5	623.3	589.6	583.3	577.0
152.5°	884.4	871.0	816.1	762.0	693.1	644.4	607.6	599.0	592.7
155°	889.1	875.7	824.8	774.6	710.3	663.3	624.8	616.2	609.2
157.5°	889.8	877.3	831.0	787.1	726.8	678.9	642.9	632.7	626.4
160°	891.4	875.7	835.0	792.6	740.9	697.0	660.1	648.4	646.8
162.5°	889.8	871.8	837.3	798.9	754.2	711.9	677.4	666.4	664.8
165°	882.0	867.1	838.1	803.6	764.4	728.3	693.1	683.6	681.3
167.5°	868.7	860.0	833.4	805.2	773.8	740.9	709.5	700.9	694.6
170°	853.8	851.4	829.5	806.0	781.6	753.4	726.8	718.1	711.1
172.5°	839.7	838.9	821.6	805.2	785.6	762.8	744.0	734.6	729.1
175°	824.0	823.2	809.9	803.6	789.5	771.5	759.7	752.6	746.4
177.5°	806.0	807.5	798.9	802.0	789.5	780.9	774.6	770.7	764.4
180°	789.5	789.5	789.5	789.5	789.5	789.5	789.5	789.5	789.5

(END OF REPORT)