

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: P275284

Luminaire Tested: **JW-WL-30L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

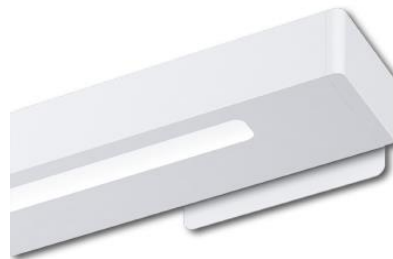
Test Information

Test Method: LM-79-08
Report Number: P275284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-30L82765-1D-UNV-W2A-W-4 (5000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3105.9 lumens
Efficiency: N/A
Efficacy: 110.1 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

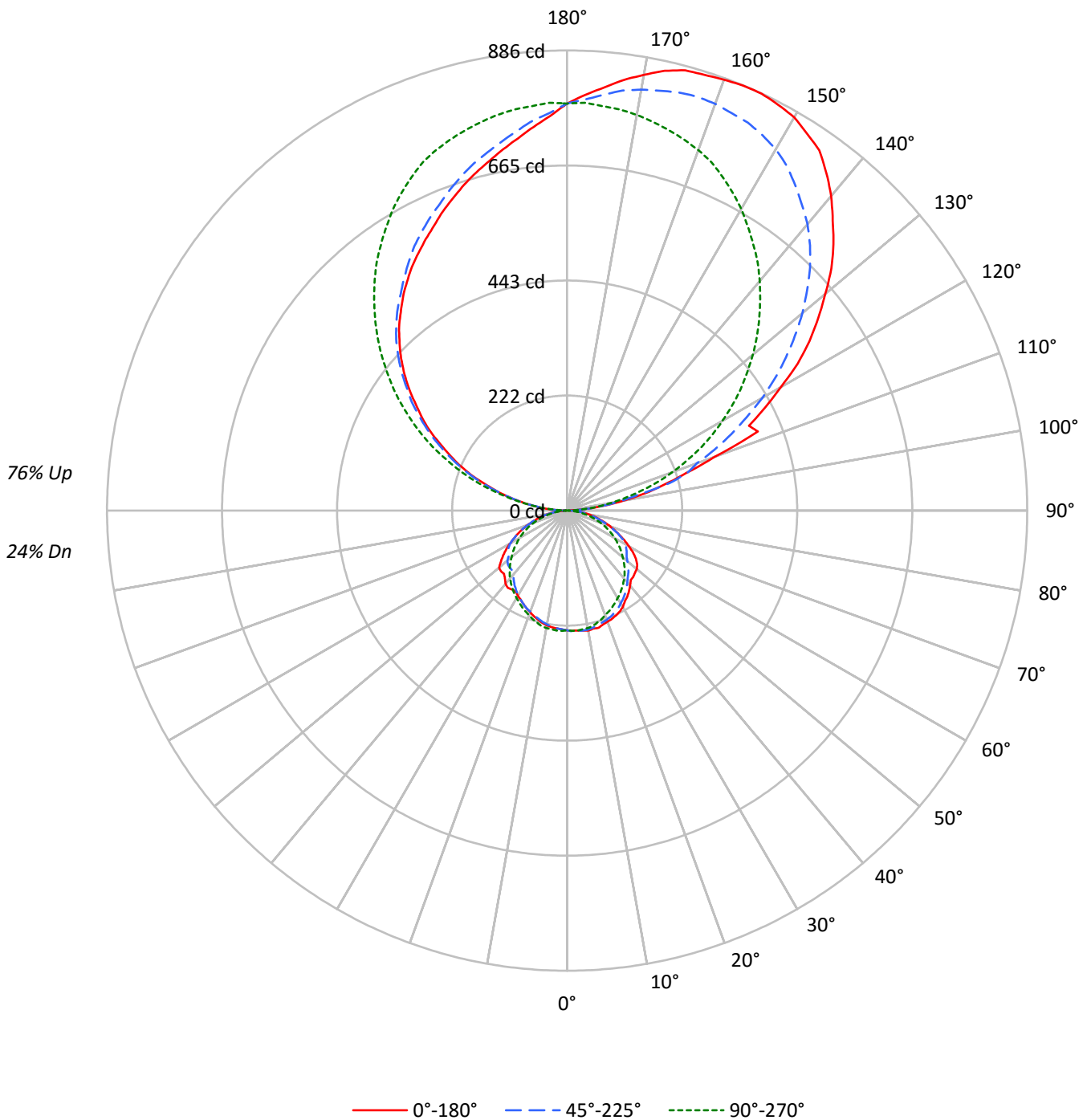
Input Watts (W): 28.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32
1	92	87	83	80	81	78	74	72	60	57	56	43	42	40	28	27	26
2	83	76	70	65	74	68	63	58	52	49	46	37	35	33	24	23	22
3	76	66	59	54	67	59	53	48	46	41	38	33	30	28	21	20	18
4	69	59	51	45	61	52	46	41	40	36	32	29	26	24	19	17	16
5	63	52	44	38	56	46	40	35	36	31	27	26	23	20	17	15	13
6	58	46	38	33	51	41	35	30	32	27	24	23	20	18	15	13	12
7	53	42	34	29	47	37	31	26	29	24	21	21	18	15	14	12	10
8	49	38	30	25	44	34	27	23	26	21	18	19	16	14	13	11	9
9	46	34	27	22	41	31	24	20	24	19	16	17	14	12	12	10	8
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	3725	3725	3725
5°	3755	3755	3689
10°	3850	3766	3681
15°	3908	3736	3632
20°	3911	3680	3576
25°	3964	3652	3542
30°	3993	3630	3533
35°	3980	3613	3654
40°	3973	3604	3887
45°	4115	3576	3927
50°	4398	3519	4295
55°	4552	3479	4234
60°	4424	3426	4091
65°	4248	3343	3973
70°	4131	3210	3791
75°	3986	3019	3662
80°	3924	2780	3450
85°	4761	2297	3427



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	0.7
10°-20°	63.1	2.0
20°-30°	95.9	3.1
30°-40°	117.1	3.8
40°-50°	127.1	4.1
50°-60°	123.9	4.0
60°-70°	99.7	3.2
70°-80°	61.3	2.0
80°-90°	21.6	0.7
90°-100°	44.4	1.4
100°-110°	170.2	5.5
110°-120°	299.9	9.7
120°-130°	390.7	12.6
130°-140°	431.5	13.9
140°-150°	412.1	13.3
150°-160°	334.6	10.8
160°-170°	216.4	7.0
170°-180°	74.5	2.4
0°-30°	180.9	5.8
0°-40°	298.0	9.6
0°-60°	549.0	17.7
0°-90°	731.6	23.6
90°-120°	514.5	16.6
90°-150°	1748.8	56.3
90°-180°	2374.0	76.4
0°-180°	3105.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	231	231	231	231	231	
5°	232	233	232	228	228	22
15°	234	229	224	215	217	66
25°	222	216	205	199	199	103
35°	202	195	183	176	185	126
45°	180	167	157	156	172	139
55°	162	140	124	136	150	143
65°	111	110	88	104	104	111
75°	64	62	48	58	59	68
85°	26	23	12	18	18	24
90°	5	4	1	4	2	5
95°	35	37	34	37	40	45
105°	194	204	148	136	136	209
115°	386	349	281	253	247	397
125°	570	514	408	366	355	507
135°	725	661	523	466	456	558
145°	847	765	625	547	538	527
155°	886	824	709	623	606	408
165°	878	833	758	692	675	248
175°	818	803	782	754	742	79
180°	784	784	784	784	784	



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CATALOG NUMBER: JW-WL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7
2.5°	231.7	232.8	232.8	231.7	231.7	231.7	228.7	229.7	228.7
5°	231.7	234.8	232.8	232.8	231.7	229.7	227.6	228.7	227.6
7.5°	232.8	234.8	232.8	231.7	230.7	227.6	225.6	225.6	226.6
10°	234.8	234.8	232.8	231.7	229.7	225.6	222.5	222.5	224.5
12.5°	232.8	234.8	230.7	229.7	227.6	223.5	219.4	219.4	221.4
15°	233.8	232.8	228.7	226.6	223.5	220.4	215.3	215.3	217.3
17.5°	229.7	231.7	225.6	223.5	219.4	216.3	211.1	211.1	213.2
20°	227.6	229.7	223.5	219.4	214.2	212.2	207.0	208.1	208.1
22.5°	225.6	226.6	220.4	215.3	210.1	207.0	203.9	203.9	203.9
25°	222.5	222.5	216.3	210.1	205.0	200.8	198.8	198.8	198.8
27.5°	219.4	218.4	212.2	206.0	199.8	195.7	193.6	193.6	193.6
30°	214.2	212.2	206.0	199.8	194.7	190.5	188.5	187.5	189.5
32.5°	207.0	206.0	200.8	194.7	189.5	184.4	182.3	182.3	184.4
35°	201.9	199.8	194.7	188.5	183.3	178.2	176.1	177.2	185.4
37.5°	195.7	193.6	187.5	184.4	177.2	172.0	168.9	178.2	187.5
40°	188.5	187.5	180.2	177.2	171.0	166.9	161.7	179.2	184.4
42.5°	181.3	180.2	173.0	169.9	163.8	159.6	156.6	176.1	177.2
45°	180.2	174.1	166.9	161.7	156.6	152.4	155.5	168.9	172.0
47.5°	177.2	171.0	159.6	153.5	148.3	144.2	154.5	163.8	173.0
50°	175.1	167.9	151.4	146.3	140.1	136.0	150.4	164.8	171.0
52.5°	169.9	164.8	144.2	137.0	131.8	127.7	141.1	160.7	160.7
55°	161.7	158.6	140.1	127.7	123.6	119.5	136.0	149.3	150.4
57.5°	150.4	149.3	134.9	118.4	114.3	111.2	133.9	139.0	139.0
60°	137.0	138.0	128.7	109.2	106.1	104.0	126.7	126.7	126.7
62.5°	124.6	124.6	120.5	100.9	96.8	97.8	115.4	115.4	115.4
65°	111.2	111.2	110.2	91.7	87.5	92.7	104.0	104.0	104.0
67.5°	98.9	98.9	97.8	81.4	78.3	83.4	92.7	91.7	91.7
70°	87.5	87.5	85.5	74.2	68.0	75.2	80.3	81.4	80.3
72.5°	76.2	75.2	73.1	66.9	57.7	69.0	69.0	69.0	68.0
75°	63.9	63.9	61.8	57.7	48.4	57.7	57.7	57.7	58.7
77.5°	53.6	52.5	50.5	46.3	38.1	45.3	46.3	46.3	46.3
80°	42.2	42.2	40.2	35.0	29.9	35.0	35.0	36.0	37.1
82.5°	33.0	33.0	30.9	26.8	20.6	24.7	25.7	26.8	26.8
85°	25.7	25.7	22.7	18.5	12.4	16.5	18.5	19.6	18.5
87.5°	18.5	18.5	16.5	12.4	7.2	10.3	10.3	11.3	10.3
90°	5.1	5.1	4.1	3.1	1.0	3.1	4.1	3.1	2.1
92.5°	9.3	10.3	12.4	14.4	12.4	16.5	20.6	21.6	21.6
95°	35.0	35.0	37.1	36.0	34.0	36.0	37.1	41.2	40.2
97.5°	71.1	70.0	68.0	62.8	59.7	57.7	58.7	60.8	60.8
100°	110.2	108.1	102.0	102.0	86.5	82.4	83.4	83.4	83.4
102.5°	153.5	149.3	139.0	129.8	116.4	112.3	109.2	108.1	108.1
105°	193.6	191.6	203.9	162.7	148.3	141.1	136.0	134.9	136.0
107.5°	241.0	236.9	243.1	200.8	182.3	171.0	165.8	162.7	161.7
110°	301.8	342.0	265.7	240.0	215.3	201.9	195.7	192.6	192.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	397.6	348.1	306.9	278.1	247.2	233.8	224.5	221.4	220.4
115°	386.2	374.9	349.2	317.2	281.2	264.7	253.4	250.3	247.2
117.5°	429.5	420.2	389.3	355.3	314.1	295.6	281.2	278.1	274.0
120°	474.8	464.5	433.6	390.4	345.0	322.4	310.0	306.9	303.8
122.5°	526.3	508.8	474.8	428.5	377.0	350.2	336.8	332.7	330.6
125°	569.6	551.0	514.0	460.4	407.9	377.0	365.6	359.5	355.3
127.5°	609.8	595.3	553.1	495.4	436.7	403.8	389.3	384.2	383.2
130°	648.9	635.5	591.2	530.4	466.6	428.5	417.1	409.9	408.9
132.5°	690.1	670.5	626.2	561.3	495.4	455.3	440.8	434.7	433.6
135°	725.1	708.6	661.3	590.2	523.2	480.0	465.6	458.3	456.3
137.5°	757.0	743.7	692.2	620.1	550.0	506.8	487.2	481.0	478.9
140°	791.0	772.5	720.0	646.8	576.8	533.5	507.8	503.7	498.5
142.5°	819.9	801.3	742.6	674.6	602.5	555.2	526.3	525.3	519.1
145°	846.7	824.0	765.3	699.4	625.2	576.8	546.9	542.8	537.7
147.5°	860.0	843.6	786.9	718.9	647.9	598.4	567.5	562.4	556.2
150°	874.5	855.9	803.4	738.5	670.5	618.0	588.1	578.9	572.7
152.5°	880.6	864.2	814.7	755.0	690.1	637.6	605.6	593.3	589.2
155°	885.8	869.3	824.0	768.4	708.6	656.1	623.1	608.7	605.6
157.5°	885.8	871.4	828.1	778.7	726.1	675.7	639.6	626.2	624.2
160°	882.7	871.4	833.3	785.9	738.5	693.2	658.2	643.7	640.7
162.5°	879.6	870.3	835.3	794.1	748.8	708.6	675.7	662.3	658.2
165°	877.6	868.3	833.3	800.3	758.1	723.1	692.2	679.8	674.6
167.5°	867.3	859.0	828.1	804.4	766.3	737.5	706.6	699.4	690.1
170°	851.8	845.6	823.0	806.5	773.5	747.8	722.0	713.8	706.6
172.5°	836.4	832.2	815.8	805.5	778.7	759.1	737.5	734.4	723.1
175°	817.8	817.8	803.4	799.3	781.8	767.3	754.0	750.9	741.6
177.5°	801.3	803.4	792.1	792.1	785.9	776.6	766.3	769.4	760.1
180°	783.8	783.8	783.8	783.8	783.8	783.8	783.8	783.8	783.8

(END OF REPORT)