

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: P275281

Luminaire Tested: **JW-WL-30L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275281
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 (3500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2946.1 lumens
Efficiency: N/A
Efficacy: 106.4 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

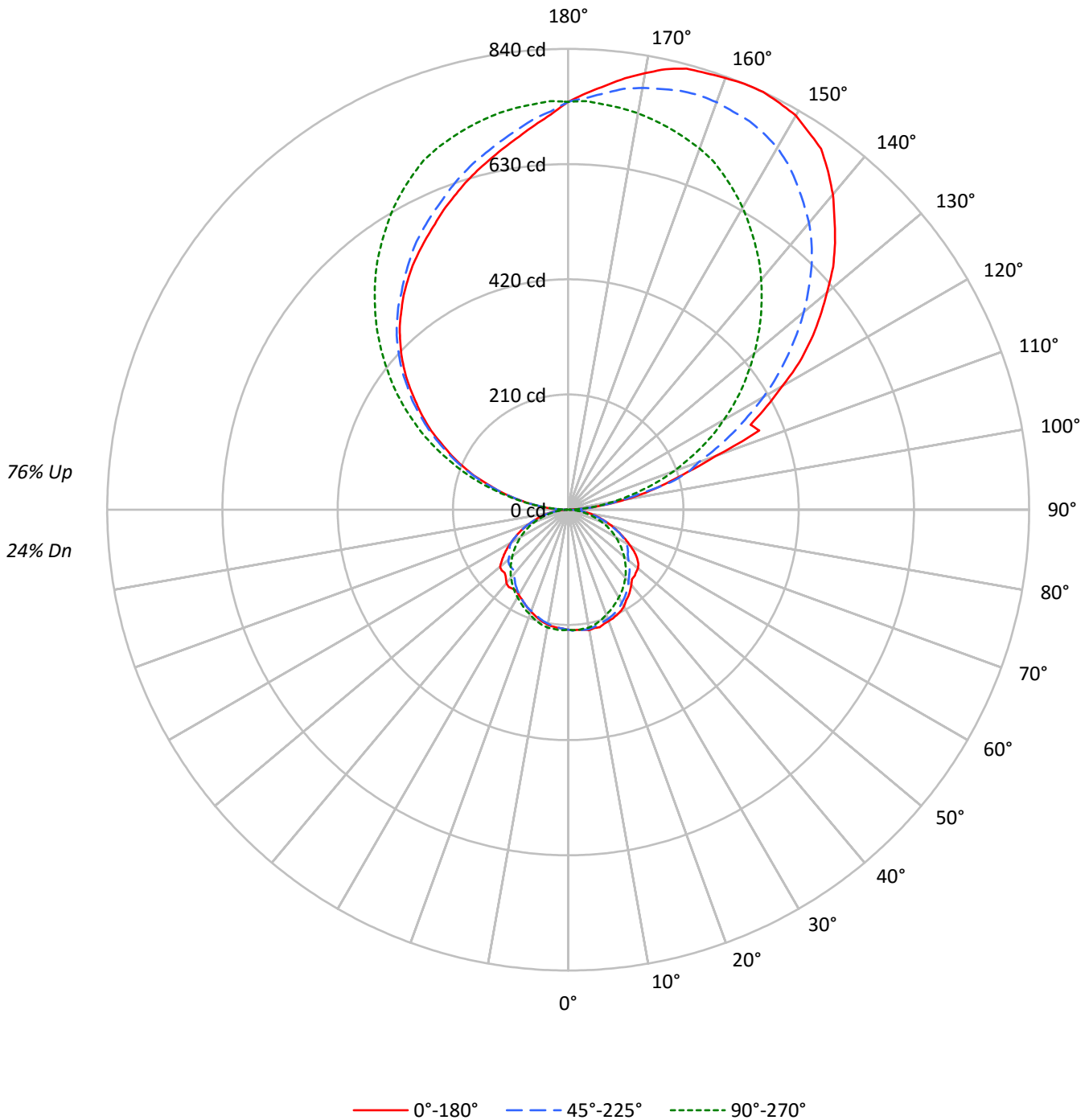
Input Watts (W): 27.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83	80	81	78	74	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	66	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°	3533	3533	3533
5°	3562	3562	3499
10°	3653	3572	3492
15°	3707	3544	3445
20°	3710	3491	3392
25°	3759	3463	3360
30°	3788	3443	3352
35°	3775	3428	3467
40°	3769	3419	3686
45°	3905	3391	3726
50°	4172	3338	4074
55°	4318	3299	4014
60°	4195	3249	3881
65°	4031	3171	3771
70°	3918	3045	3597
75°	3780	2863	3475
80°	3729	2631	3273
85°	4520	2167	3260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.7
10°-20°	59.8	2.0
20°-30°	91.0	3.1
30°-40°	111.0	3.8
40°-50°	120.5	4.1
50°-60°	117.5	4.0
60°-70°	94.6	3.2
70°-80°	58.1	2.0
80°-90°	20.5	0.7
90°-100°	42.2	1.4
100°-110°	161.4	5.5
110°-120°	284.4	9.7
120°-130°	370.6	12.6
130°-140°	409.3	13.9
140°-150°	390.9	13.3
150°-160°	317.4	10.8
160°-170°	205.3	7.0
170°-180°	70.7	2.4
0°-30°	171.6	5.8
0°-40°	282.7	9.6
0°-60°	520.7	17.7
0°-90°	694.0	23.6
90°-120°	488.0	16.6
90°-150°	1658.8	56.3
90°-180°	2252.0	76.4
0°-180°	2946.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	219	219	219	219	219	
5°	220	221	220	216	216	21
15°	222	217	212	204	206	62
25°	211	205	194	189	189	97
35°	192	185	174	167	176	120
45°	171	158	148	148	163	132
55°	153	133	117	129	143	135
65°	106	104	83	99	99	105
75°	61	59	46	55	56	65
85°	24	22	12	18	18	23
90°	5	4	1	4	2	5
95°	33	35	32	35	38	43
105°	184	193	141	129	129	199
115°	366	331	267	240	234	376
125°	540	488	387	347	337	481
135°	688	627	496	442	433	530
145°	803	726	593	519	510	499
155°	840	782	672	591	574	387
165°	832	790	719	656	640	235
175°	776	762	742	715	703	75
180°	744	744	744	744	744	



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CATALOG NUMBER: JW-WL-30L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	218.8	218.8	218.8	218.8	218.8	218.8	218.8	218.8	218.8
2.5°	219.8	220.8	220.8	219.8	219.8	219.8	216.9	217.9	216.9
5°	219.8	222.8	220.8	220.8	219.8	217.9	215.9	216.9	215.9
7.5°	220.8	222.8	220.8	219.8	218.8	215.9	214.0	214.0	214.9
10°	222.8	222.8	220.8	219.8	217.9	214.0	211.0	211.0	213.0
12.5°	220.8	222.8	218.8	217.9	215.9	212.0	208.1	208.1	210.1
15°	221.8	220.8	216.9	214.9	212.0	209.1	204.2	204.2	206.1
17.5°	217.9	219.8	214.0	212.0	208.1	205.2	200.3	200.3	202.2
20°	215.9	217.9	212.0	208.1	203.2	201.3	196.4	197.4	197.4
22.5°	214.0	214.9	209.1	204.2	199.3	196.4	193.4	193.4	193.4
25°	211.0	211.0	205.2	199.3	194.4	190.5	188.6	188.6	188.6
27.5°	208.1	207.1	201.3	195.4	189.5	185.6	183.7	183.7	183.7
30°	203.2	201.3	195.4	189.5	184.7	180.7	178.8	177.8	179.8
32.5°	196.4	195.4	190.5	184.7	179.8	174.9	172.9	172.9	174.9
35°	191.5	189.5	184.7	178.8	173.9	169.0	167.1	168.0	175.9
37.5°	185.6	183.7	177.8	174.9	168.0	163.2	160.2	169.0	177.8
40°	178.8	177.8	171.0	168.0	162.2	158.3	153.4	170.0	174.9
42.5°	172.0	171.0	164.1	161.2	155.3	151.4	148.5	167.1	168.0
45°	171.0	165.1	158.3	153.4	148.5	144.6	147.5	160.2	163.2
47.5°	168.0	162.2	151.4	145.6	140.7	136.8	146.5	155.3	164.1
50°	166.1	159.3	143.6	138.7	132.9	129.0	142.6	156.3	162.2
52.5°	161.2	156.3	136.8	129.9	125.1	121.1	133.8	152.4	152.4
55°	153.4	150.5	132.9	121.1	117.2	113.3	129.0	141.7	142.6
57.5°	142.6	141.7	128.0	112.4	108.4	105.5	127.0	131.9	131.9
60°	129.9	130.9	122.1	103.6	100.6	98.7	120.2	120.2	120.2
62.5°	118.2	118.2	114.3	95.7	91.8	92.8	109.4	109.4	109.4
65°	105.5	105.5	104.5	87.0	83.0	87.9	98.7	98.7	98.7
67.5°	93.8	93.8	92.8	77.2	74.3	79.1	87.9	87.0	87.0
70°	83.0	83.0	81.1	70.3	64.5	71.3	76.2	77.2	76.2
72.5°	72.3	71.3	69.4	63.5	54.7	65.5	65.5	65.5	64.5
75°	60.6	60.6	58.6	54.7	45.9	54.7	54.7	54.7	55.7
77.5°	50.8	49.8	47.9	44.0	36.1	43.0	44.0	44.0	44.0
80°	40.1	40.1	38.1	33.2	28.3	33.2	33.2	34.2	35.2
82.5°	31.3	31.3	29.3	25.4	19.5	23.4	24.4	25.4	25.4
85°	24.4	24.4	21.5	17.6	11.7	15.6	17.6	18.6	17.6
87.5°	17.6	17.6	15.6	11.7	6.8	9.8	9.8	10.7	9.8
90°	4.9	4.9	3.9	2.9	1.0	2.9	3.9	2.9	2.0
92.5°	8.8	9.8	11.7	13.7	11.7	15.6	19.5	20.5	20.5
95°	33.2	33.2	35.2	34.2	32.2	34.2	35.2	39.1	38.1
97.5°	67.4	66.4	64.5	59.6	56.7	54.7	55.7	57.6	57.6
100°	104.5	102.6	96.7	96.7	82.1	78.2	79.1	79.1	79.1
102.5°	145.6	141.7	131.9	123.1	110.4	106.5	103.6	102.6	102.6
105°	183.7	181.7	193.4	154.4	140.7	133.8	129.0	128.0	129.0
107.5°	228.6	224.7	230.6	190.5	172.9	162.2	157.3	154.4	153.4
110°	286.3	324.4	252.1	227.6	204.2	191.5	185.6	182.7	182.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	377.1	330.2	291.1	263.8	234.5	221.8	213.0	210.1	209.1
115°	366.4	355.6	331.2	300.9	266.7	251.1	240.3	237.4	234.5
117.5°	407.4	398.6	369.3	337.1	298.0	280.4	266.7	263.8	259.9
120°	450.4	440.6	411.3	370.3	327.3	305.8	294.1	291.1	288.2
122.5°	499.2	482.6	450.4	406.4	357.6	332.2	319.5	315.6	313.6
125°	540.3	522.7	487.5	436.7	386.9	357.6	346.8	341.0	337.1
127.5°	578.4	564.7	524.6	469.9	414.2	383.0	369.3	364.4	363.4
130°	615.5	602.8	560.8	503.2	442.6	406.4	395.7	388.8	387.9
132.5°	654.6	636.0	594.0	532.5	469.9	431.8	418.2	412.3	411.3
135°	687.8	672.2	627.2	559.8	496.3	455.3	441.6	434.8	432.8
137.5°	718.1	705.4	656.5	588.2	521.7	480.7	462.1	456.3	454.3
140°	750.3	732.7	682.9	613.6	547.1	506.1	481.7	477.8	472.9
142.5°	777.7	760.1	704.4	639.9	571.5	526.6	499.2	498.3	492.4
145°	803.1	781.6	725.9	663.4	593.0	547.1	518.8	514.9	510.0
147.5°	815.8	800.2	746.4	681.9	614.5	567.6	538.3	533.4	527.6
150°	829.5	811.9	762.1	700.5	636.0	586.2	557.9	549.1	543.2
152.5°	835.3	819.7	772.8	716.1	654.6	604.8	574.5	562.8	558.8
155°	840.2	824.6	781.6	728.8	672.2	622.3	591.1	577.4	574.5
157.5°	840.2	826.5	785.5	738.6	688.8	640.9	606.7	594.0	592.1
160°	837.3	826.5	790.4	745.4	700.5	657.5	624.3	610.6	607.7
162.5°	834.4	825.6	792.3	753.3	710.3	672.2	640.9	628.2	624.3
165°	832.4	823.6	790.4	759.1	719.1	685.9	656.5	644.8	639.9
167.5°	822.6	814.8	785.5	763.0	726.9	699.5	670.2	663.4	654.6
170°	808.0	802.1	780.6	765.0	733.7	709.3	684.9	677.1	670.2
172.5°	793.3	789.4	773.8	764.0	738.6	720.0	699.5	696.6	685.9
175°	775.7	775.7	762.1	758.2	741.5	727.9	715.2	712.2	703.4
177.5°	760.1	762.1	751.3	751.3	745.4	736.7	726.9	729.8	721.0
180°	743.5	743.5	743.5	743.5	743.5	743.5	743.5	743.5	743.5

(END OF REPORT)