

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: P275291

Luminaire Tested: **JW-WL-30L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P275291  
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-30L92765-1D-UNV-W2A-W-4 (4500K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2732.0 lumens  
Efficiency: N/A  
Efficacy: 97.2 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

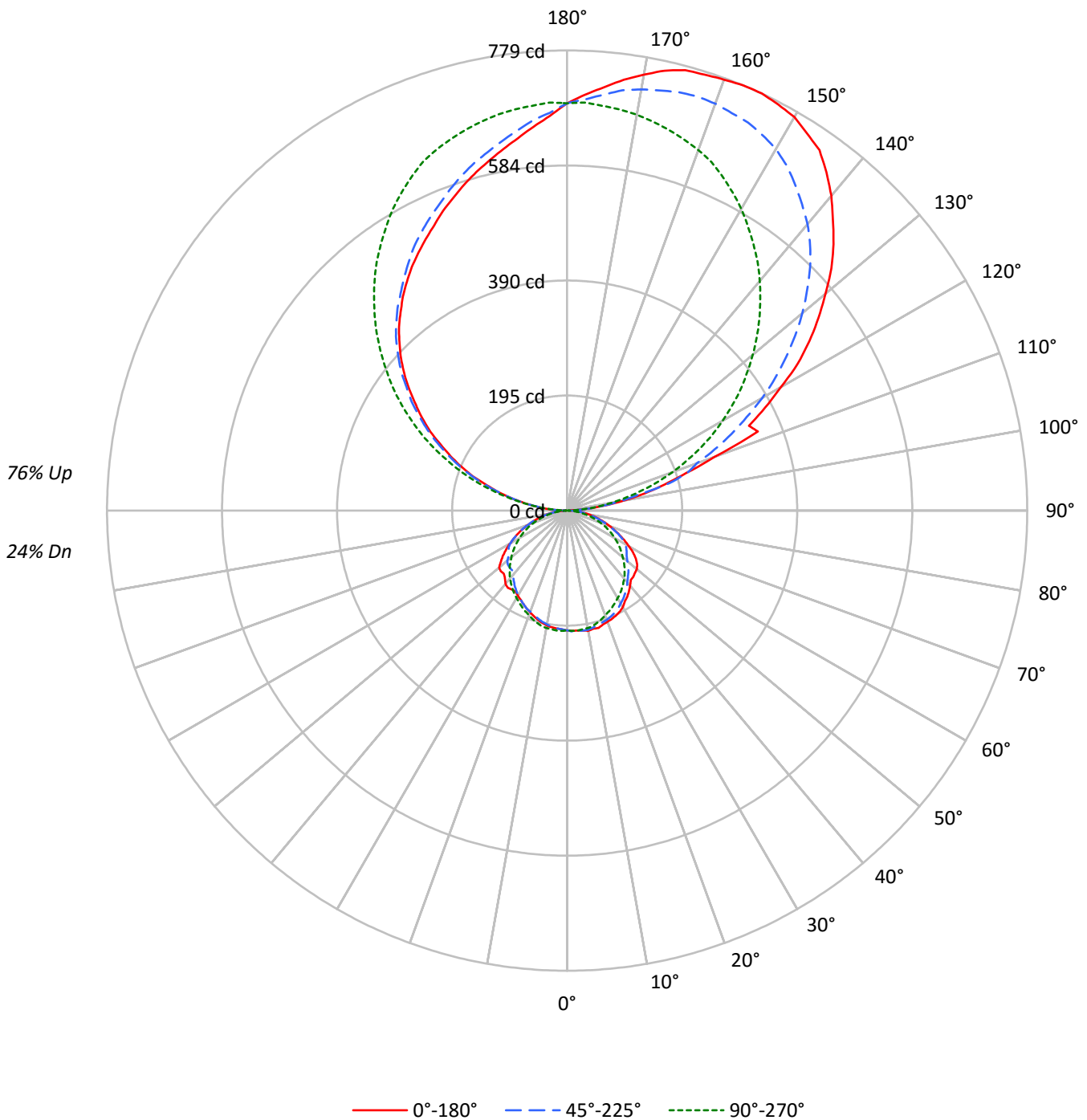
Input Watts (W): 28.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3276	3276	3276
5°	3303	3303	3245
10°	3387	3312	3238
15°	3438	3286	3196
20°	3440	3237	3144
25°	3486	3212	3116
30°	3512	3192	3108
35°	3501	3179	3215
40°	3495	3170	3419
45°	3619	3144	3455
50°	3868	3095	3778
55°	4003	3060	3724
60°	3891	3013	3597
65°	3736	2942	3496
70°	3635	2823	3338
75°	3506	2658	3219
80°	3450	2445	3031
85°	4187	2019	3020



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.3	0.7
10°-20°	55.5	2.0
20°-30°	84.4	3.1
30°-40°	103.0	3.8
40°-50°	111.8	4.1
50°-60°	109.0	4.0
60°-70°	87.7	3.2
70°-80°	53.9	2.0
80°-90°	19.0	0.7
90°-100°	39.1	1.4
100°-110°	149.7	5.5
110°-120°	263.8	9.7
120°-130°	343.7	12.6
130°-140°	379.6	13.9
140°-150°	362.5	13.3
150°-160°	294.3	10.8
160°-170°	190.3	7.0
170°-180°	65.5	2.4
0°-30°	159.2	5.8
0°-40°	262.1	9.6
0°-60°	482.9	17.7
0°-90°	643.5	23.6
90°-120°	452.6	16.6
90°-150°	1538.3	56.3
90°-180°	2088.0	76.4
0°-180°	2732.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	203	203	203	203	203	
5°	204	205	204	200	200	20
15°	206	201	197	189	191	58
25°	196	190	180	175	175	90
35°	178	171	161	155	163	111
45°	158	147	138	137	151	123
55°	142	123	109	120	132	126
65°	98	97	77	92	92	97
75°	56	54	43	51	52	60
85°	23	20	11	16	16	21
90°	4	4	1	4	2	5
95°	31	33	30	33	35	40
105°	170	179	130	120	120	184
115°	340	307	247	223	217	349
125°	501	452	359	322	313	446
135°	638	582	460	410	401	491
145°	745	673	550	481	473	463
155°	779	725	623	548	533	359
165°	772	733	667	609	593	218
175°	719	707	688	663	652	70
180°	690	690	690	690	690	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9
2.5°	203.8	204.8	204.8	203.8	203.8	203.8	201.1	202.0	201.1
5°	203.8	206.6	204.8	204.8	203.8	202.0	200.2	201.1	200.2
7.5°	204.8	206.6	204.8	203.8	202.9	200.2	198.4	198.4	199.3
10°	206.6	206.6	204.8	203.8	202.0	198.4	195.7	195.7	197.5
12.5°	204.8	206.6	202.9	202.0	200.2	196.6	193.0	193.0	194.8
15°	205.7	204.8	201.1	199.3	196.6	193.9	189.4	189.4	191.2
17.5°	202.0	203.8	198.4	196.6	193.0	190.3	185.7	185.7	187.5
20°	200.2	202.0	196.6	193.0	188.4	186.6	182.1	183.0	183.0
22.5°	198.4	199.3	193.9	189.4	184.8	182.1	179.4	179.4	179.4
25°	195.7	195.7	190.3	184.8	180.3	176.7	174.9	174.9	174.9
27.5°	193.0	192.1	186.6	181.2	175.8	172.1	170.3	170.3	170.3
30°	188.4	186.6	181.2	175.8	171.2	167.6	165.8	164.9	166.7
32.5°	182.1	181.2	176.7	171.2	166.7	162.2	160.4	160.4	162.2
35°	177.6	175.8	171.2	165.8	161.3	156.7	154.9	155.8	163.1
37.5°	172.1	170.3	164.9	162.2	155.8	151.3	148.6	156.7	164.9
40°	165.8	164.9	158.5	155.8	150.4	146.8	142.2	157.6	162.2
42.5°	159.5	158.5	152.2	149.5	144.1	140.4	137.7	154.9	155.8
45°	158.5	153.1	146.8	142.2	137.7	134.1	136.8	148.6	151.3
47.5°	155.8	150.4	140.4	135.0	130.5	126.8	135.9	144.1	152.2
50°	154.0	147.7	133.2	128.7	123.2	119.6	132.3	145.0	150.4
52.5°	149.5	145.0	126.8	120.5	116.0	112.3	124.1	141.3	141.3
55°	142.2	139.5	123.2	112.3	108.7	105.1	119.6	131.4	132.3
57.5°	132.3	131.4	118.7	104.2	100.6	97.8	117.8	122.3	122.3
60°	120.5	121.4	113.2	96.0	93.3	91.5	111.4	111.4	111.4
62.5°	109.6	109.6	106.0	88.8	85.2	86.1	101.5	101.5	101.5
65°	97.8	97.8	96.9	80.6	77.0	81.5	91.5	91.5	91.5
67.5°	87.0	87.0	86.1	71.6	68.9	73.4	81.5	80.6	80.6
70°	77.0	77.0	75.2	65.2	59.8	66.1	70.7	71.6	70.7
72.5°	67.0	66.1	64.3	58.9	50.7	60.7	60.7	60.7	59.8
75°	56.2	56.2	54.4	50.7	42.6	50.7	50.7	50.7	51.6
77.5°	47.1	46.2	44.4	40.8	33.5	39.9	40.8	40.8	40.8
80°	37.1	37.1	35.3	30.8	26.3	30.8	30.8	31.7	32.6
82.5°	29.0	29.0	27.2	23.6	18.1	21.7	22.6	23.6	23.6
85°	22.6	22.6	19.9	16.3	10.9	14.5	16.3	17.2	16.3
87.5°	16.3	16.3	14.5	10.9	6.3	9.1	9.1	10.0	9.1
90°	4.5	4.5	3.6	2.7	0.9	2.7	3.6	2.7	1.8
92.5°	8.2	9.1	10.9	12.7	10.9	14.5	18.1	19.0	19.0
95°	30.8	30.8	32.6	31.7	29.9	31.7	32.6	36.2	35.3
97.5°	62.5	61.6	59.8	55.3	52.5	50.7	51.6	53.5	53.5
100°	96.9	95.1	89.7	89.7	76.1	72.5	73.4	73.4	73.4
102.5°	135.0	131.4	122.3	114.2	102.4	98.8	96.0	95.1	95.1
105°	170.3	168.5	179.4	143.1	130.5	124.1	119.6	118.7	119.6
107.5°	212.0	208.4	213.8	176.7	160.4	150.4	145.9	143.1	142.2
110°	265.5	300.8	233.7	211.1	189.4	177.6	172.1	169.4	169.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	349.7	306.2	270.0	244.6	217.4	205.7	197.5	194.8	193.9
115°	339.7	329.8	307.1	279.0	247.3	232.8	222.9	220.2	217.4
117.5°	377.8	369.6	342.5	312.6	276.3	260.0	247.3	244.6	241.0
120°	417.7	408.6	381.4	343.4	303.5	283.6	272.7	270.0	267.3
122.5°	463.0	447.6	417.7	376.9	331.6	308.0	296.3	292.6	290.8
125°	501.0	484.7	452.1	405.0	358.8	331.6	321.6	316.2	312.6
127.5°	536.4	523.7	486.5	435.8	384.1	355.2	342.5	337.9	337.0
130°	570.8	559.0	520.0	466.6	410.4	376.9	366.9	360.6	359.7
132.5°	607.0	589.8	550.8	493.8	435.8	400.5	387.8	382.3	381.4
135°	637.8	623.3	581.7	519.1	460.2	422.2	409.5	403.2	401.4
137.5°	665.9	654.1	608.8	545.4	483.8	445.8	428.5	423.1	421.3
140°	695.8	679.5	633.3	569.0	507.4	469.3	446.7	443.0	438.5
142.5°	721.2	704.9	653.2	593.4	530.0	488.3	463.0	462.1	456.6
145°	744.7	724.8	673.2	615.2	549.9	507.4	481.1	477.5	472.9
147.5°	756.5	742.0	692.2	632.4	569.9	526.4	499.2	494.7	489.2
150°	769.2	752.9	706.7	649.6	589.8	543.6	517.3	509.2	503.7
152.5°	774.6	760.1	716.6	664.1	607.0	560.8	532.7	521.9	518.2
155°	779.2	764.7	724.8	675.9	623.3	577.1	548.1	535.4	532.7
157.5°	779.2	766.5	728.4	684.9	638.7	594.3	562.6	550.8	549.0
160°	776.4	766.5	733.0	691.3	649.6	609.7	578.9	566.2	563.5
162.5°	773.7	765.6	734.8	698.5	658.7	623.3	594.3	582.6	578.9
165°	771.9	763.8	733.0	704.0	666.8	636.0	608.8	598.0	593.4
167.5°	762.9	755.6	728.4	707.6	674.1	648.7	621.5	615.2	607.0
170°	749.3	743.8	723.9	709.4	680.4	657.8	635.1	627.9	621.5
172.5°	735.7	732.0	717.6	708.5	684.9	667.7	648.7	646.0	636.0
175°	719.4	719.4	706.7	703.1	687.7	675.0	663.2	660.5	652.3
177.5°	704.9	706.7	696.7	696.7	691.3	683.1	674.1	676.8	668.6
180°	689.5	689.5	689.5	689.5	689.5	689.5	689.5	689.5	689.5

(END OF REPORT)