

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: P275294

Luminaire Tested: **JW-WL-30L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

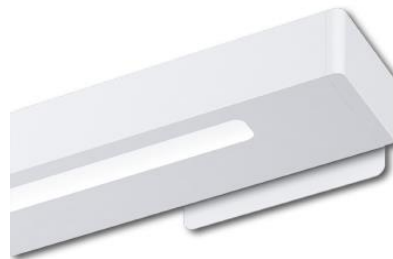
**Test Information**

Test Method: LM-79-08  
Report Number: P275294  
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 (6500K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2861.7 lumens  
Efficiency: N/A  
Efficacy: 99.0 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

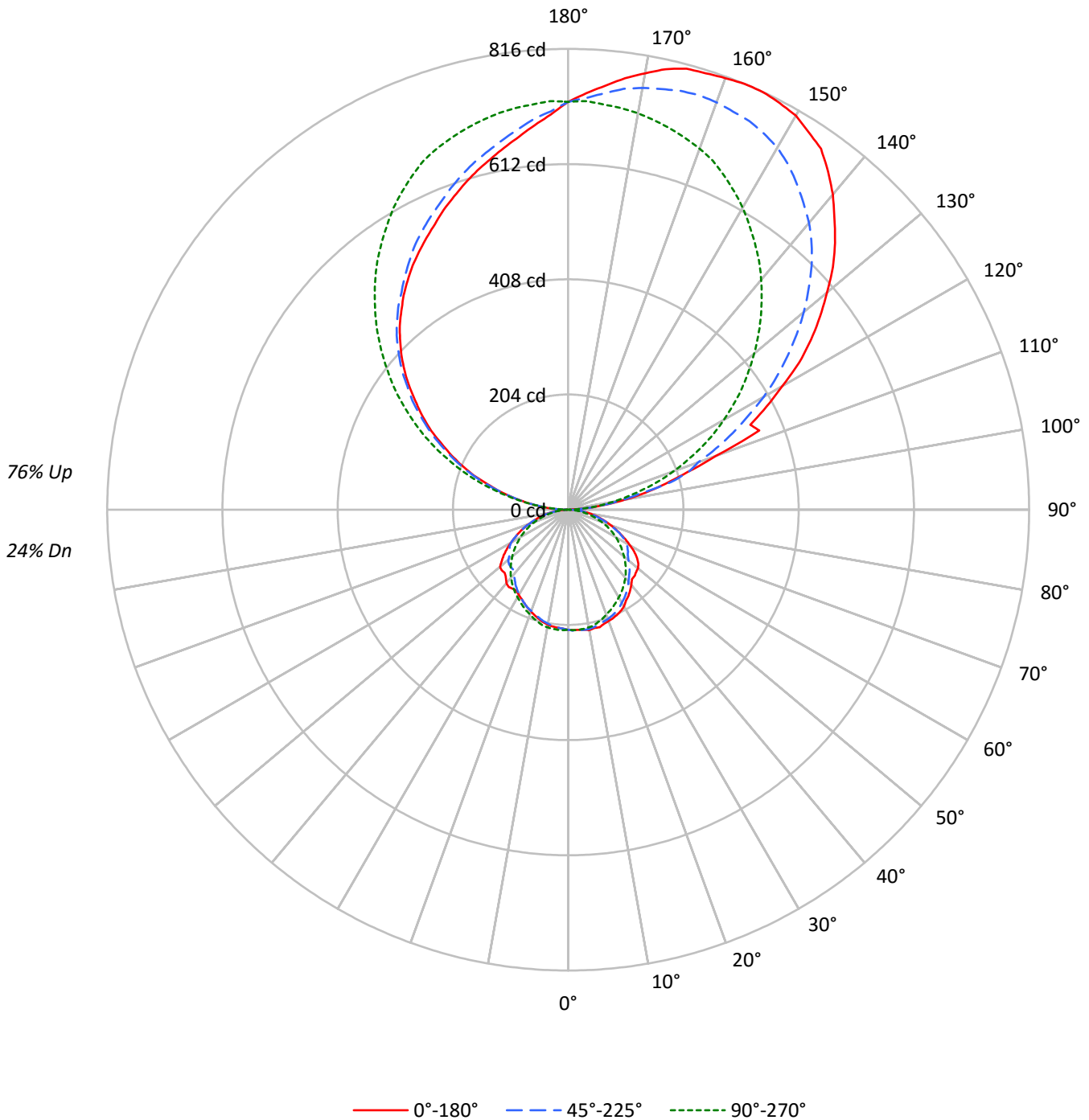
Input Watts (W): 28.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3433	3433	3433
5°	3460	3460	3399
10°	3548	3469	3392
15°	3600	3442	3346
20°	3603	3392	3294
25°	3652	3365	3264
30°	3680	3345	3255
35°	3666	3329	3367
40°	3661	3320	3581
45°	3793	3293	3619
50°	4052	3243	3956
55°	4194	3206	3902
60°	4075	3155	3768
65°	3916	3083	3660
70°	3810	2955	3493
75°	3668	2782	3375
80°	3617	2557	3180
85°	4390	2112	3168



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.2	0.7
10°-20°	58.1	2.0
20°-30°	88.4	3.1
30°-40°	107.9	3.8
40°-50°	117.1	4.1
50°-60°	114.2	4.0
60°-70°	91.9	3.2
70°-80°	56.4	2.0
80°-90°	19.9	0.7
90°-100°	41.0	1.4
100°-110°	156.8	5.5
110°-120°	276.3	9.7
120°-130°	360.0	12.6
130°-140°	397.6	13.9
140°-150°	379.7	13.3
150°-160°	308.3	10.8
160°-170°	199.4	7.0
170°-180°	68.6	2.4
0°-30°	166.7	5.8
0°-40°	274.6	9.6
0°-60°	505.8	17.7
0°-90°	674.1	23.6
90°-120°	474.0	16.6
90°-150°	1611.3	56.3
90°-180°	2188.0	76.5
0°-180°	2861.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	213	213	213	213	213	
5°	214	214	214	210	210	20
15°	215	211	206	198	200	60
25°	205	199	189	183	183	95
35°	186	179	169	162	171	116
45°	166	154	144	143	158	128
55°	149	129	114	125	139	132
65°	102	102	81	96	96	102
75°	59	57	45	53	54	63
85°	24	21	11	17	17	22
90°	5	4	1	4	2	5
95°	32	34	31	34	37	42
105°	178	188	137	125	125	193
115°	356	322	259	234	228	365
125°	525	474	376	337	327	467
135°	668	609	482	429	420	515
145°	780	705	576	504	495	485
155°	816	759	653	574	558	376
165°	808	768	698	638	622	228
175°	754	740	720	695	683	73
180°	722	722	722	722	722	



TEST NUMBER: P275294

CATALOG NUMBER: JW-WL-30L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	212.6	212.6	212.6	212.6	212.6	212.6	212.6	212.6	212.6
2.5°	213.5	214.5	214.5	213.5	213.5	213.5	210.7	211.6	210.7
5°	213.5	216.4	214.5	214.5	213.5	211.6	209.7	210.7	209.7
7.5°	214.5	216.4	214.5	213.5	212.6	209.7	207.8	207.8	208.8
10°	216.4	216.4	214.5	213.5	211.6	207.8	205.0	205.0	206.9
12.5°	214.5	216.4	212.6	211.6	209.7	205.9	202.1	202.1	204.0
15°	215.4	214.5	210.7	208.8	205.9	203.1	198.3	198.3	200.2
17.5°	211.6	213.5	207.8	205.9	202.1	199.3	194.5	194.5	196.4
20°	209.7	211.6	205.9	202.1	197.4	195.5	190.7	191.7	191.7
22.5°	207.8	208.8	203.1	198.3	193.6	190.7	187.9	187.9	187.9
25°	205.0	205.0	199.3	193.6	188.9	185.1	183.2	183.2	183.2
27.5°	202.1	201.2	195.5	189.8	184.1	180.3	178.4	178.4	178.4
30°	197.4	195.5	189.8	184.1	179.4	175.6	173.7	172.7	174.6
32.5°	190.7	189.8	185.1	179.4	174.6	169.9	168.0	168.0	169.9
35°	186.0	184.1	179.4	173.7	168.9	164.2	162.3	163.2	170.8
37.5°	180.3	178.4	172.7	169.9	163.2	158.5	155.6	164.2	172.7
40°	173.7	172.7	166.1	163.2	157.5	153.7	149.0	165.1	169.9
42.5°	167.0	166.1	159.4	156.6	150.9	147.1	144.2	162.3	163.2
45°	166.1	160.4	153.7	149.0	144.2	140.5	143.3	155.6	158.5
47.5°	163.2	157.5	147.1	141.4	136.7	132.9	142.3	150.9	159.4
50°	161.3	154.7	139.5	134.8	129.1	125.3	138.6	151.8	157.5
52.5°	156.6	151.8	132.9	126.2	121.5	117.7	130.0	148.0	148.0
55°	149.0	146.1	129.1	117.7	113.9	110.1	125.3	137.6	138.6
57.5°	138.6	137.6	124.3	109.1	105.3	102.5	123.4	128.1	128.1
60°	126.2	127.2	118.6	100.6	97.7	95.8	116.7	116.7	116.7
62.5°	114.8	114.8	111.0	93.0	89.2	90.2	106.3	106.3	106.3
65°	102.5	102.5	101.5	84.5	80.7	85.4	95.8	95.8	95.8
67.5°	91.1	91.1	90.2	75.0	72.1	76.9	85.4	84.5	84.5
70°	80.7	80.7	78.8	68.3	62.6	69.3	74.0	75.0	74.0
72.5°	70.2	69.3	67.4	61.7	53.1	63.6	63.6	63.6	62.6
75°	58.8	58.8	56.9	53.1	44.6	53.1	53.1	53.1	54.1
77.5°	49.3	48.4	46.5	42.7	35.1	41.8	42.7	42.7	42.7
80°	38.9	38.9	37.0	32.3	27.5	32.3	32.3	33.2	34.2
82.5°	30.4	30.4	28.5	24.7	19.0	22.8	23.7	24.7	24.7
85°	23.7	23.7	20.9	17.1	11.4	15.2	17.1	18.0	17.1
87.5°	17.1	17.1	15.2	11.4	6.6	9.5	9.5	10.4	9.5
90°	4.7	4.7	3.8	2.8	0.9	2.8	3.8	2.8	1.9
92.5°	8.5	9.5	11.4	13.3	11.4	15.2	19.0	19.9	19.9
95°	32.3	32.3	34.2	33.2	31.3	33.2	34.2	38.0	37.0
97.5°	65.5	64.5	62.6	57.9	55.0	53.1	54.1	56.0	56.0
100°	101.5	99.6	94.0	94.0	79.7	75.9	76.9	76.9	76.9
102.5°	141.4	137.6	128.1	119.6	107.2	103.4	100.6	99.6	99.6
105°	178.4	176.5	187.9	149.9	136.7	130.0	125.3	124.3	125.3
107.5°	222.1	218.3	224.0	185.1	168.0	157.5	152.8	149.9	149.0
110°	278.1	315.1	244.8	221.1	198.3	186.0	180.3	177.5	177.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	366.3	320.8	282.8	256.2	227.8	215.4	206.9	204.0	203.1
115°	355.9	345.4	321.7	292.3	259.1	243.9	233.5	230.6	227.8
117.5°	395.7	387.2	358.7	327.4	289.4	272.4	259.1	256.2	252.4
120°	437.5	428.0	399.5	359.7	317.9	297.0	285.6	282.8	280.0
122.5°	484.9	468.8	437.5	394.8	347.3	322.7	310.3	306.5	304.6
125°	524.8	507.7	473.6	424.2	375.8	347.3	336.9	331.2	327.4
127.5°	561.8	548.5	509.6	456.5	402.4	372.0	358.7	354.0	353.0
130°	597.9	585.5	544.7	488.7	429.9	394.8	384.3	377.7	376.8
132.5°	635.8	617.8	577.0	517.2	456.5	419.5	406.2	400.5	399.5
135°	668.1	652.9	609.3	543.8	482.1	442.2	428.9	422.3	420.4
137.5°	697.5	685.2	637.7	571.3	506.8	466.9	448.9	443.2	441.3
140°	728.8	711.7	663.4	596.0	531.4	491.6	467.9	464.1	459.3
142.5°	755.4	738.3	684.2	621.6	555.2	511.5	484.9	484.0	478.3
145°	780.1	759.2	705.1	644.4	576.0	531.4	503.9	500.1	495.4
147.5°	792.4	777.2	725.0	662.4	596.9	551.4	522.9	518.2	512.5
150°	805.7	788.6	740.2	680.4	617.8	569.4	541.9	533.3	527.6
152.5°	811.4	796.2	750.7	695.6	635.8	587.4	558.0	546.6	542.8
155°	816.1	801.0	759.2	708.0	652.9	604.5	574.1	560.9	558.0
157.5°	816.1	802.9	763.0	717.4	669.0	622.5	589.3	577.0	575.1
160°	813.3	802.9	767.7	724.1	680.4	638.7	606.4	593.1	590.3
162.5°	810.4	801.9	769.6	731.7	689.9	652.9	622.5	610.2	606.4
165°	808.5	800.0	767.7	737.4	698.5	666.2	637.7	626.3	621.6
167.5°	799.1	791.5	763.0	741.2	706.1	679.5	651.0	644.4	635.8
170°	784.8	779.1	758.3	743.1	712.7	689.0	665.2	657.7	651.0
172.5°	770.6	766.8	751.6	742.1	717.4	699.4	679.5	676.6	666.2
175°	753.5	753.5	740.2	736.4	720.3	707.0	694.7	691.8	683.3
177.5°	738.3	740.2	729.8	729.8	724.1	715.5	706.1	708.9	700.4
180°	722.2	722.2	722.2	722.2	722.2	722.2	722.2	722.2	722.2

(END OF REPORT)