

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: P253623

Luminaire Tested: **JW-WL-30L83050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253623  
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-30L83050-1D-UNV-W2A-W-4 (3000K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
3000K-5000K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2851.1 lumens  
Efficiency: N/A  
Efficacy: 103.7 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

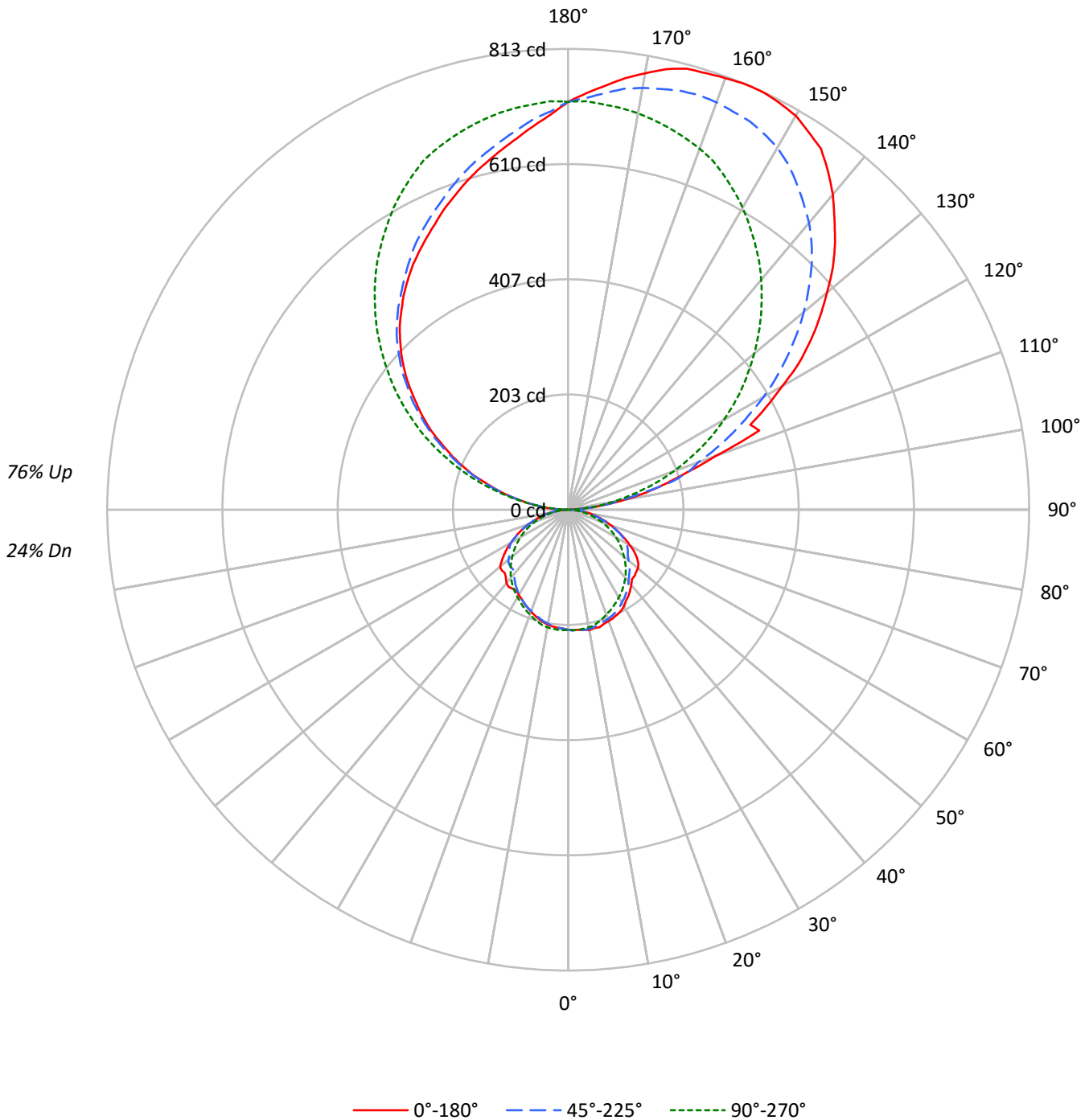
Input Watts (W): 27.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3420	3420	3420
5°	3447	3447	3387
10°	3535	3456	3379
15°	3587	3430	3335
20°	3591	3380	3282
25°	3638	3353	3251
30°	3667	3332	3244
35°	3652	3317	3355
40°	3646	3309	3566
45°	3779	3281	3605
50°	4037	3230	3944
55°	4177	3195	3885
60°	4062	3145	3756
65°	3901	3072	3649
70°	3795	2946	3479
75°	3656	2770	3362
80°	3608	2548	3161
85°	4372	2093	3149



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.2	0.7
10°-20°	57.9	2.0
20°-30°	88.0	3.1
30°-40°	107.5	3.8
40°-50°	116.7	4.1
50°-60°	113.8	4.0
60°-70°	91.5	3.2
70°-80°	56.2	2.0
80°-90°	19.8	0.7
90°-100°	40.8	1.4
100°-110°	156.2	5.5
110°-120°	275.3	9.7
120°-130°	358.6	12.6
130°-140°	396.1	13.9
140°-150°	378.3	13.3
150°-160°	307.2	10.8
160°-170°	198.6	7.0
170°-180°	68.4	2.4
0°-30°	166.1	5.8
0°-40°	273.5	9.6
0°-60°	504.0	17.7
0°-90°	671.6	23.6
90°-120°	472.3	16.6
90°-150°	1605.4	56.3
90°-180°	2180.0	76.5
0°-180°	2851.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	212	212	212	212	212	
5°	213	214	213	209	209	20
15°	215	210	205	198	200	60
25°	204	199	188	182	182	94
35°	185	179	168	162	170	116
45°	166	153	144	143	158	128
55°	148	129	114	125	138	131
65°	102	101	80	96	96	102
75°	59	57	44	53	54	63
85°	24	21	11	17	17	22
90°	5	4	1	4	2	5
95°	32	34	31	34	37	41
105°	178	187	136	125	125	192
115°	355	320	258	233	227	364
125°	523	472	374	336	326	466
135°	666	607	480	427	419	513
145°	777	702	574	502	494	483
155°	813	756	650	572	556	375
165°	806	765	696	635	619	228
175°	751	738	718	692	681	73
180°	720	720	720	720	720	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8
2.5°	212.7	213.7	213.7	212.7	212.7	212.7	209.9	210.8	209.9
5°	212.7	215.6	213.7	213.7	212.7	210.8	209.0	209.9	209.0
7.5°	213.7	215.6	213.7	212.7	211.8	209.0	207.1	207.1	208.0
10°	215.6	215.6	213.7	212.7	210.8	207.1	204.2	204.2	206.1
12.5°	213.7	215.6	211.8	210.8	209.0	205.2	201.4	201.4	203.3
15°	214.6	213.7	209.9	208.0	205.2	202.3	197.6	197.6	199.5
17.5°	210.8	212.7	207.1	205.2	201.4	198.6	193.8	193.8	195.7
20°	209.0	210.8	205.2	201.4	196.7	194.8	190.0	191.0	191.0
22.5°	207.1	208.0	202.3	197.6	192.9	190.0	187.2	187.2	187.2
25°	204.2	204.2	198.6	192.9	188.2	184.4	182.5	182.5	182.5
27.5°	201.4	200.4	194.8	189.1	183.4	179.6	177.8	177.8	177.8
30°	196.7	194.8	189.1	183.4	178.7	174.9	173.0	172.1	174.0
32.5°	190.0	189.1	184.4	178.7	174.0	169.2	167.4	167.4	169.2
35°	185.3	183.4	178.7	173.0	168.3	163.6	161.7	162.6	170.2
37.5°	179.6	177.8	172.1	169.2	162.6	157.9	155.1	163.6	172.1
40°	173.0	172.1	165.5	162.6	157.0	153.2	148.4	164.5	169.2
42.5°	166.4	165.5	158.8	156.0	150.3	146.6	143.7	161.7	162.6
45°	165.5	159.8	153.2	148.4	143.7	139.9	142.8	155.1	157.9
47.5°	162.6	157.0	146.6	140.9	136.2	132.4	141.8	150.3	158.8
50°	160.7	154.1	139.0	134.3	128.6	124.8	138.0	151.3	157.0
52.5°	156.0	151.3	132.4	125.8	121.0	117.2	129.5	147.5	147.5
55°	148.4	145.6	128.6	117.2	113.5	109.7	124.8	137.1	138.0
57.5°	138.0	137.1	123.9	108.7	105.0	102.1	122.9	127.6	127.6
60°	125.8	126.7	118.2	100.2	97.4	95.5	116.3	116.3	116.3
62.5°	114.4	114.4	110.6	92.7	88.9	89.8	105.9	105.9	105.9
65°	102.1	102.1	101.2	84.1	80.4	85.1	95.5	95.5	95.5
67.5°	90.8	90.8	89.8	74.7	71.9	76.6	85.1	84.1	84.1
70°	80.4	80.4	78.5	68.1	62.4	69.0	73.7	74.7	73.7
72.5°	70.0	69.0	67.1	61.5	52.9	63.3	63.3	63.3	62.4
75°	58.6	58.6	56.7	52.9	44.4	52.9	52.9	52.9	53.9
77.5°	49.2	48.2	46.3	42.5	35.0	41.6	42.5	42.5	42.5
80°	38.8	38.8	36.9	32.1	27.4	32.1	32.1	33.1	34.0
82.5°	30.3	30.3	28.4	24.6	18.9	22.7	23.6	24.6	24.6
85°	23.6	23.6	20.8	17.0	11.3	15.1	17.0	18.0	17.0
87.5°	17.0	17.0	15.1	11.3	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	11.3	13.2	11.3	15.1	18.9	19.9	19.9
95°	32.1	32.1	34.0	33.1	31.2	33.1	34.0	37.8	36.9
97.5°	65.2	64.3	62.4	57.7	54.8	52.9	53.9	55.8	55.8
100°	101.2	99.3	93.6	93.6	79.4	75.6	76.6	76.6	76.6
102.5°	140.9	137.1	127.6	119.1	106.8	103.1	100.2	99.3	99.3
105°	177.8	175.9	187.2	149.4	136.2	129.5	124.8	123.9	124.8
107.5°	221.2	217.5	223.1	184.4	167.4	157.0	152.2	149.4	148.4
110°	277.0	313.9	243.9	220.3	197.6	185.3	179.6	176.8	176.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	365.0	319.6	281.8	255.3	226.9	214.6	206.1	203.3	202.3
115°	354.6	344.2	320.5	291.2	258.1	243.0	232.6	229.8	226.9
117.5°	394.3	385.8	357.4	326.2	288.4	271.4	258.1	255.3	251.5
120°	435.9	426.4	398.1	358.3	316.7	295.9	284.6	281.8	278.9
122.5°	483.2	467.1	435.9	393.3	346.1	321.5	309.2	305.4	303.5
125°	522.9	505.8	471.8	422.6	374.4	346.1	335.7	330.0	326.2
127.5°	559.7	546.5	507.7	454.8	400.9	370.6	357.4	352.7	351.7
130°	595.7	583.4	542.7	486.9	428.3	393.3	382.9	376.3	375.4
132.5°	633.5	615.5	574.9	515.3	454.8	417.9	404.7	399.0	398.1
135°	665.6	650.5	607.0	541.8	480.3	440.6	427.4	420.7	418.9
137.5°	694.9	682.7	635.4	569.2	504.9	465.2	447.2	441.5	439.7
140°	726.1	709.1	660.9	593.8	529.5	489.8	466.1	462.3	457.6
142.5°	752.6	735.6	681.7	619.3	553.1	509.6	483.2	482.2	476.5
145°	777.2	756.4	702.5	642.0	573.9	529.5	502.1	498.3	493.6
147.5°	789.5	774.4	722.4	660.0	594.7	549.3	521.0	516.2	510.6
150°	802.7	785.7	737.5	677.9	615.5	567.3	539.9	531.4	525.7
152.5°	808.4	793.3	747.9	693.1	633.5	585.3	556.0	544.6	540.8
155°	813.1	798.0	756.4	705.3	650.5	602.3	572.0	558.8	556.0
157.5°	813.1	799.9	760.2	714.8	666.6	620.2	587.2	574.9	573.0
160°	810.3	799.9	764.9	721.4	677.9	636.3	604.2	590.9	588.1
162.5°	807.5	798.9	766.8	729.0	687.4	650.5	620.2	608.0	604.2
165°	805.6	797.1	764.9	734.7	695.9	663.7	635.4	624.0	619.3
167.5°	796.1	788.5	760.2	738.4	703.5	677.0	648.6	642.0	633.5
170°	781.9	776.3	755.5	740.3	710.1	686.4	662.8	655.2	648.6
172.5°	767.7	764.0	748.8	739.4	714.8	696.8	677.0	674.1	663.7
175°	750.7	750.7	737.5	733.7	717.6	704.4	692.1	689.3	680.8
177.5°	735.6	737.5	727.1	727.1	721.4	712.9	703.5	706.3	697.8
180°	719.5	719.5	719.5	719.5	719.5	719.5	719.5	719.5	719.5

(END OF REPORT)