

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: P253631

Luminaire Tested: **JW-WL-30L93050-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

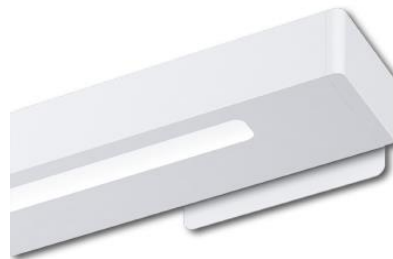
Test Information

Test Method: LM-79-08
Report Number: P253631
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-30L93050-1D-UNV-W2A-W-4 (5000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2815.9 lumens
Efficiency: N/A
Efficacy: 97.8 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

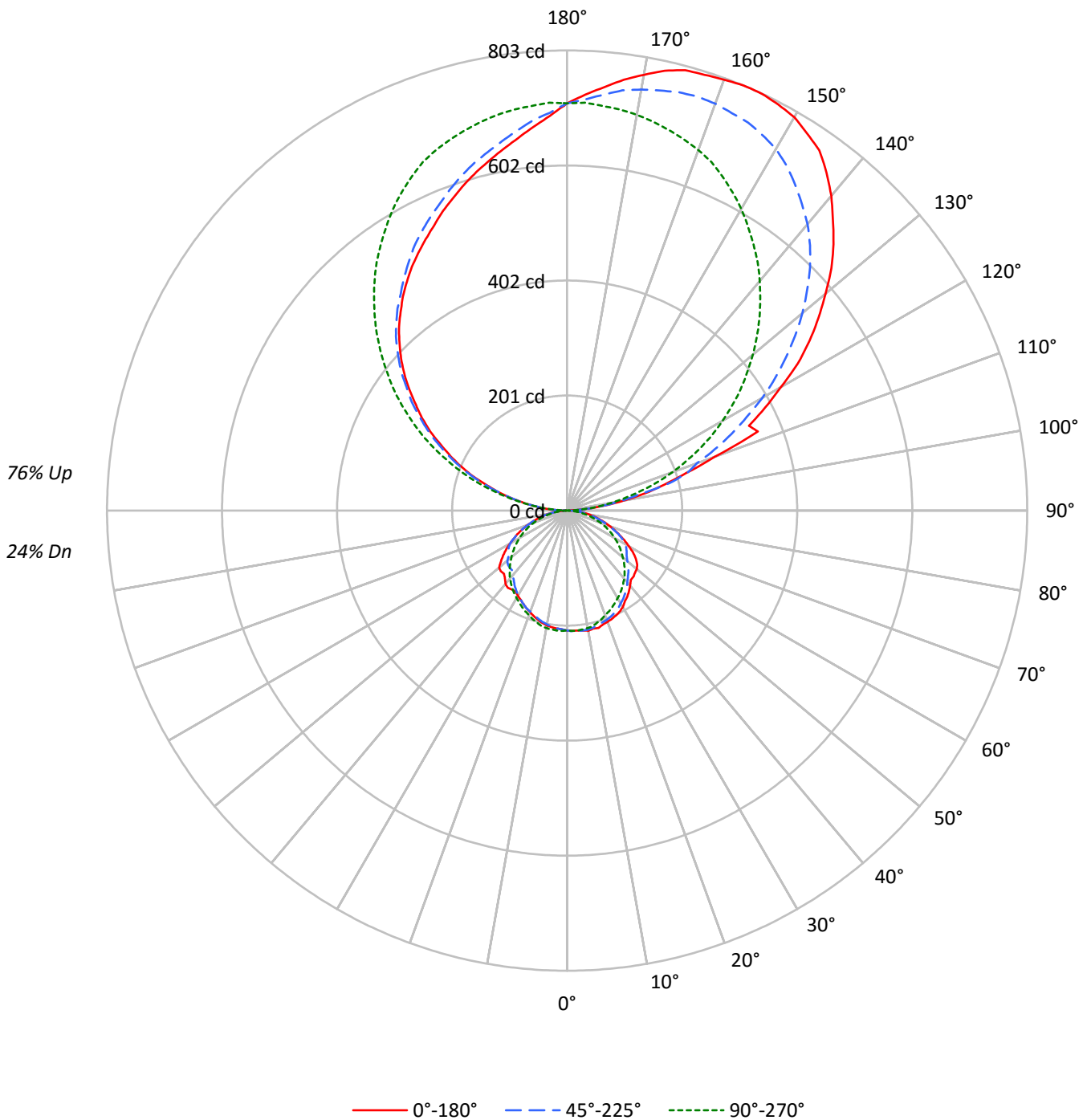
Input Watts (W): 28.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3378	3378	3378
5°	3405	3405	3345
10°	3490	3413	3338
15°	3544	3387	3293
20°	3546	3337	3241
25°	3593	3310	3210
30°	3621	3291	3203
35°	3607	3276	3313
40°	3602	3267	3524
45°	3731	3240	3560
50°	3986	3190	3893
55°	4127	3156	3837
60°	4011	3106	3710
65°	3855	3033	3603
70°	3748	2908	3437
75°	3612	2739	3319
80°	3561	2520	3124
85°	4316	2075	3112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	0.7
10°-20°	57.2	2.0
20°-30°	86.9	3.1
30°-40°	106.1	3.8
40°-50°	115.2	4.1
50°-60°	112.4	4.0
60°-70°	90.4	3.2
70°-80°	55.5	2.0
80°-90°	19.6	0.7
90°-100°	40.3	1.4
100°-110°	154.3	5.5
110°-120°	271.9	9.7
120°-130°	354.2	12.6
130°-140°	391.2	13.9
140°-150°	373.6	13.3
150°-160°	303.4	10.8
160°-170°	196.2	7.0
170°-180°	67.5	2.4
0°-30°	164.0	5.8
0°-40°	270.2	9.6
0°-60°	497.7	17.7
0°-90°	663.3	23.6
90°-120°	466.5	16.6
90°-150°	1585.5	56.3
90°-180°	2153.0	76.5
0°-180°	2815.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	209	209	209	209	209	
5°	210	211	210	206	206	20
15°	212	207	203	195	197	59
25°	202	196	186	180	180	93
35°	183	176	166	160	168	114
45°	163	151	142	141	156	126
55°	147	127	112	123	136	129
65°	101	100	79	94	94	100
75°	58	56	44	52	53	62
85°	23	20	11	17	17	22
90°	5	4	1	4	2	5
95°	32	34	31	34	36	41
105°	176	185	134	123	123	190
115°	350	317	255	230	224	360
125°	516	466	370	332	322	460
135°	657	600	474	422	414	506
145°	768	694	567	496	488	477
155°	803	747	642	565	549	370
165°	796	756	687	628	612	225
175°	742	728	709	684	672	72
180°	711	711	711	711	711	



TEST NUMBER: P253631

CATALOG NUMBER: JW-WL-30L93050-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	209.2	209.2	209.2	209.2	209.2	209.2	209.2	209.2	209.2
2.5°	210.1	211.0	211.0	210.1	210.1	210.1	207.3	208.2	207.3
5°	210.1	212.9	211.0	211.0	210.1	208.2	206.4	207.3	206.4
7.5°	211.0	212.9	211.0	210.1	209.2	206.4	204.5	204.5	205.4
10°	212.9	212.9	211.0	210.1	208.2	204.5	201.7	201.7	203.6
12.5°	211.0	212.9	209.2	208.2	206.4	202.6	198.9	198.9	200.8
15°	212.0	211.0	207.3	205.4	202.6	199.8	195.2	195.2	197.0
17.5°	208.2	210.1	204.5	202.6	198.9	196.1	191.4	191.4	193.3
20°	206.4	208.2	202.6	198.9	194.2	192.4	187.7	188.6	188.6
22.5°	204.5	205.4	199.8	195.2	190.5	187.7	184.9	184.9	184.9
25°	201.7	201.7	196.1	190.5	185.8	182.1	180.2	180.2	180.2
27.5°	198.9	198.0	192.4	186.8	181.2	177.4	175.6	175.6	175.6
30°	194.2	192.4	186.8	181.2	176.5	172.8	170.9	170.0	171.8
32.5°	187.7	186.8	182.1	176.5	171.8	167.2	165.3	165.3	167.2
35°	183.0	181.2	176.5	170.9	166.2	161.6	159.7	160.6	168.1
37.5°	177.4	175.6	170.0	167.2	160.6	155.9	153.1	161.6	170.0
40°	170.9	170.0	163.4	160.6	155.0	151.3	146.6	162.5	167.2
42.5°	164.4	163.4	156.9	154.1	148.5	144.7	141.9	159.7	160.6
45°	163.4	157.8	151.3	146.6	141.9	138.2	141.0	153.1	155.9
47.5°	160.6	155.0	144.7	139.1	134.5	130.7	140.1	148.5	156.9
50°	158.7	152.2	137.3	132.6	127.0	123.3	136.3	149.4	155.0
52.5°	154.1	149.4	130.7	124.2	119.5	115.8	127.9	145.7	145.7
55°	146.6	143.8	127.0	115.8	112.1	108.3	123.3	135.4	136.3
57.5°	136.3	135.4	122.3	107.4	103.7	100.9	121.4	126.1	126.1
60°	124.2	125.1	116.7	99.0	96.2	94.3	114.9	114.9	114.9
62.5°	113.0	113.0	109.3	91.5	87.8	88.7	104.6	104.6	104.6
65°	100.9	100.9	99.9	83.1	79.4	84.0	94.3	94.3	94.3
67.5°	89.6	89.6	88.7	73.8	71.0	75.6	84.0	83.1	83.1
70°	79.4	79.4	77.5	67.2	61.6	68.2	72.8	73.8	72.8
72.5°	69.1	68.2	66.3	60.7	52.3	62.6	62.6	62.6	61.6
75°	57.9	57.9	56.0	52.3	43.9	52.3	52.3	52.3	53.2
77.5°	48.6	47.6	45.8	42.0	34.6	41.1	42.0	42.0	42.0
80°	38.3	38.3	36.4	31.7	27.1	31.7	31.7	32.7	33.6
82.5°	29.9	29.9	28.0	24.3	18.7	22.4	23.3	24.3	24.3
85°	23.3	23.3	20.5	16.8	11.2	14.9	16.8	17.7	16.8
87.5°	16.8	16.8	14.9	11.2	6.5	9.3	9.3	10.3	9.3
90°	4.7	4.7	3.7	2.8	0.9	2.8	3.7	2.8	1.9
92.5°	8.4	9.3	11.2	13.1	11.2	14.9	18.7	19.6	19.6
95°	31.7	31.7	33.6	32.7	30.8	32.7	33.6	37.4	36.4
97.5°	64.4	63.5	61.6	57.0	54.2	52.3	53.2	55.1	55.1
100°	99.9	98.1	92.4	92.4	78.4	74.7	75.6	75.6	75.6
102.5°	139.1	135.4	126.1	117.7	105.5	101.8	99.0	98.1	98.1
105°	175.6	173.7	184.9	147.5	134.5	127.9	123.3	122.3	123.3
107.5°	218.5	214.8	220.4	182.1	165.3	155.0	150.3	147.5	146.6
110°	273.6	310.0	240.9	217.6	195.2	183.0	177.4	174.6	174.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	360.5	315.6	278.3	252.1	224.1	212.0	203.6	200.8	199.8
115°	350.2	339.9	316.6	287.6	254.9	240.0	229.7	226.9	224.1
117.5°	389.4	381.0	353.0	322.2	284.8	268.0	254.9	252.1	248.4
120°	430.5	421.2	393.1	353.9	312.8	292.3	281.1	278.3	275.5
122.5°	477.2	461.3	430.5	388.5	341.8	317.5	305.4	301.6	299.8
125°	516.4	499.6	466.0	417.4	369.8	341.8	331.5	325.9	322.2
127.5°	552.8	539.7	501.5	449.2	395.9	366.1	353.0	348.3	347.4
130°	588.3	576.2	536.0	480.9	423.0	388.5	378.2	371.7	370.7
132.5°	625.7	607.9	567.8	508.9	449.2	412.7	399.7	394.1	393.1
135°	657.4	642.5	599.5	535.1	474.4	435.2	422.1	415.5	413.7
137.5°	686.4	674.2	627.5	562.2	498.7	459.4	441.7	436.1	434.2
140°	717.2	700.4	652.7	586.4	522.9	483.7	460.4	456.6	452.0
142.5°	743.3	726.5	673.3	611.7	546.3	503.3	477.2	476.2	470.6
145°	767.6	747.1	693.8	634.1	566.8	522.9	495.9	492.1	487.5
147.5°	779.7	764.8	713.4	651.8	587.4	542.5	514.5	509.9	504.3
150°	792.8	776.0	728.4	669.5	607.9	560.3	533.2	524.8	519.2
152.5°	798.4	783.5	738.6	684.5	625.7	578.0	549.1	537.9	534.1
155°	803.1	788.1	747.1	696.6	642.5	594.8	565.0	551.9	549.1
157.5°	803.1	790.0	750.8	706.0	658.3	612.6	579.9	567.8	565.9
160°	800.3	790.0	755.5	712.5	669.5	628.5	596.7	583.6	580.8
162.5°	797.5	789.1	757.3	720.0	678.9	642.5	612.6	600.4	596.7
165°	795.6	787.2	755.5	725.6	687.3	655.5	627.5	616.3	611.7
167.5°	786.3	778.8	750.8	729.3	694.8	668.6	640.6	634.1	625.7
170°	772.3	766.7	746.1	731.2	701.3	678.0	654.6	647.1	640.6
172.5°	758.3	754.5	739.6	730.2	706.0	688.2	668.6	665.8	655.5
175°	741.5	741.5	728.4	724.6	708.8	695.7	683.6	680.8	672.3
177.5°	726.5	728.4	718.1	718.1	712.5	704.1	694.8	697.6	689.2
180°	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6

(END OF REPORT)