

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: P253630

Luminaire Tested: **JW-WL-30L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253630
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 (4500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2816.4 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

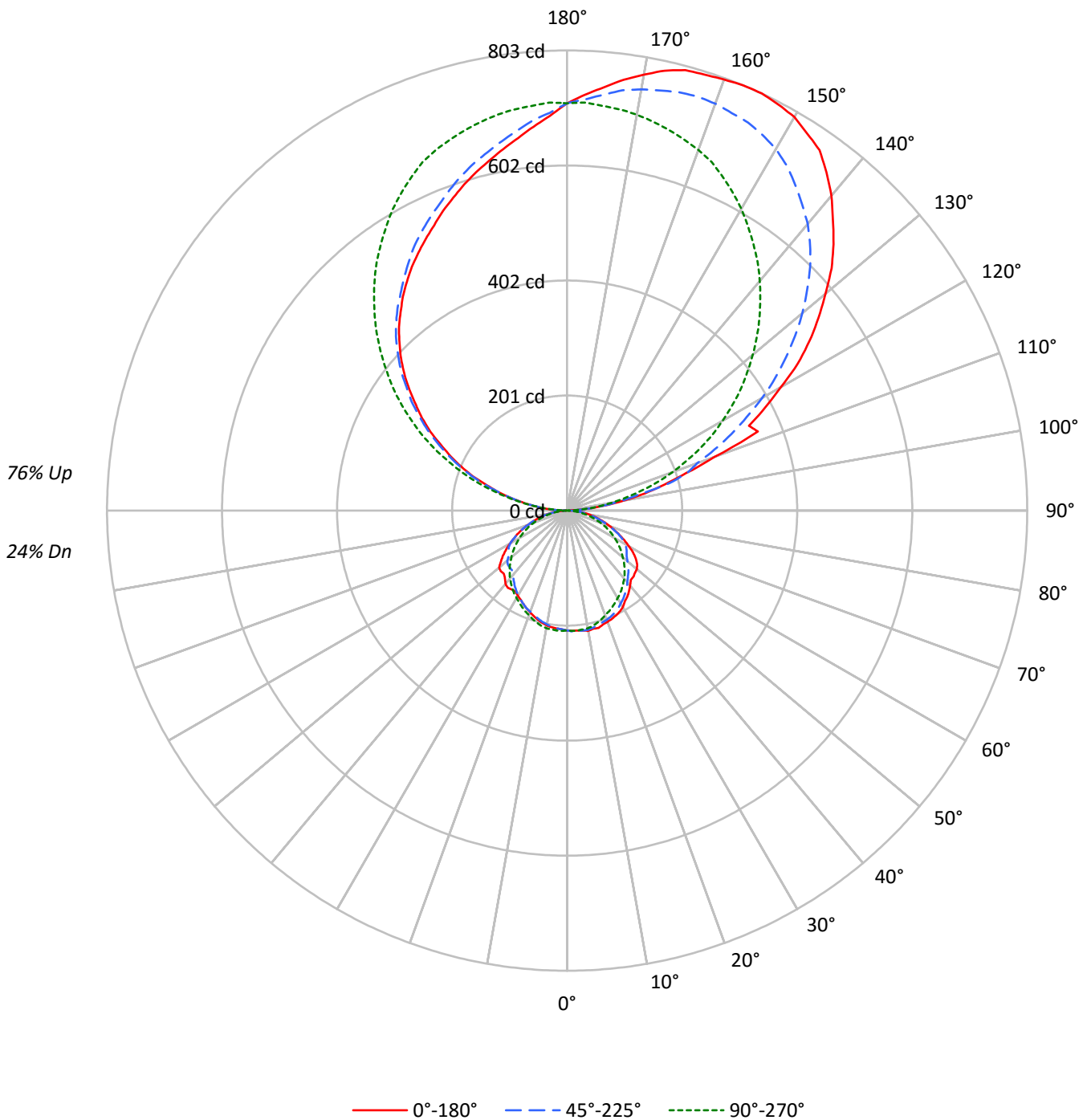
Input Watts (W): 28.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	3415	3338
15°	3544	3388	3295
20°	3546	3338	3242
25°	3593	3312	3212
30°	3622	3291	3205
35°	3609	3276	3313
40°	3602	3267	3524
45°	3731	3242	3562
50°	3989	3190	3893
55°	4127	3156	3840
60°	4011	3106	3710
65°	3855	3033	3603
70°	3748	2908	3441
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°	87.0	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°	55.6	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°	354.3	12.6
130°-140°	391.3	13.9
140°-150°	373.7	13.3
150°-160°	303.4	10.8
160°-170°	196.2	7.0
170°-180°	67.5	2.4
0°-30°	164.1	5.8
0°-40°	270.2	9.6
0°-60°	497.8	17.7
0°-90°	663.4	23.6
90°-120°	466.6	16.6
90°-150°	1585.8	56.3
90°-180°	2153.0	76.4
0°-180°	2816.4	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	60
25°	202	196	186	180	180	93
35°	183	176	166	160	168	115
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°	658	600	474	422	414	506
145°	768	694	567	496	488	478
155°	803	747	643	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: P253630

CATALOG NUMBER: JW-WL-30L93050-1D-UNV-W2A-W-4 (4500K)

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	211.1	211.1	210.1	210.1	210.1	207.3	208.3	207.3
5°	210.1	212.9	211.1	211.1	210.1	208.3	206.4	207.3	206.4
7.5°	211.1	212.9	211.1	210.1	209.2	206.4	204.5	204.5	205.5
10°	212.9	212.9	211.1	210.1	208.3	204.5	201.7	201.7	203.6
12.5°	211.1	212.9	209.2	208.3	206.4	202.7	198.9	198.9	200.8
15°	212.0	211.1	207.3	205.5	202.7	199.9	195.2	195.2	197.1
17.5°	208.3	210.1	204.5	202.7	198.9	196.1	191.5	191.5	193.3
20°	206.4	208.3	202.7	198.9	194.3	192.4	187.7	188.7	188.7
22.5°	204.5	205.5	199.9	195.2	190.5	187.7	184.9	184.9	184.9
25°	201.7	201.7	196.1	190.5	185.9	182.1	180.3	180.3	180.3
27.5°	198.9	198.0	192.4	186.8	181.2	177.5	175.6	175.6	175.6
30°	194.3	192.4	186.8	181.2	176.5	172.8	170.9	170.0	171.9
32.5°	187.7	186.8	182.1	176.5	171.9	167.2	165.3	165.3	167.2
35°	183.1	181.2	176.5	170.9	166.2	161.6	159.7	160.6	168.1
37.5°	177.5	175.6	170.0	167.2	160.6	156.0	153.2	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	144.8	142.0	159.7	160.6
45°	163.4	157.8	151.3	146.6	142.0	138.2	141.0	153.2	156.0
47.5°	160.6	155.0	144.8	139.2	134.5	130.8	140.1	148.5	156.9
50°	158.8	152.2	137.3	132.6	127.0	123.3	136.4	149.4	155.0
52.5°	154.1	149.4	130.8	124.2	119.6	115.8	128.0	145.7	145.7
55°	146.6	143.8	127.0	115.8	112.1	108.3	123.3	135.4	136.4
57.5°	136.4	135.4	122.4	107.4	103.7	100.9	121.4	126.1	126.1
60°	124.2	125.2	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	84.1	94.3	94.3	94.3
67.5°	89.7	89.7	88.7	73.8	71.0	75.7	84.1	83.1	83.1
70°	79.4	79.4	77.5	67.2	61.6	68.2	72.9	73.8	72.9
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	31.8	27.1	31.8	31.8	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°	31.8	31.8	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	92.5	92.5	78.5	74.7	75.7	75.7	75.7
102.5°	139.2	135.4	126.1	117.7	105.5	101.8	99.0	98.1	98.1
105°	175.6	173.7	184.9	147.6	134.5	128.0	123.3	122.4	123.3
107.5°	218.6	214.8	220.4	182.1	165.3	155.0	150.4	147.6	146.6
110°	273.7	310.1	241.0	217.6	195.2	183.1	177.5	174.7	174.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	360.5	315.7	278.3	252.2	224.2	212.0	203.6	200.8	199.9
115°	350.2	340.0	316.6	287.7	255.0	240.0	229.8	227.0	224.2
117.5°	389.5	381.1	353.0	322.2	284.9	268.1	255.0	252.2	248.4
120°	430.6	421.2	393.2	354.0	312.9	292.3	281.1	278.3	275.5
122.5°	477.3	461.4	430.6	388.5	341.8	317.6	305.4	301.7	299.8
125°	516.5	499.7	466.1	417.5	369.9	341.8	331.6	326.0	322.2
127.5°	552.9	539.8	501.6	449.2	396.0	366.1	353.0	348.4	347.4
130°	588.4	576.3	536.1	481.0	423.1	388.5	378.3	371.7	370.8
132.5°	625.8	608.0	567.9	509.0	449.2	412.8	399.7	394.1	393.2
135°	657.5	642.6	599.6	535.2	474.5	435.2	422.2	415.6	413.8
137.5°	686.5	674.3	627.6	562.3	498.7	459.5	441.8	436.2	434.3
140°	717.3	700.5	652.9	586.5	523.0	483.8	460.5	456.7	452.0
142.5°	743.5	726.6	673.4	611.8	546.4	503.4	477.3	476.3	470.7
145°	767.7	747.2	694.0	634.2	566.9	523.0	495.9	492.2	487.5
147.5°	779.9	764.9	713.6	651.9	587.5	542.6	514.6	510.0	504.4
150°	793.0	776.1	728.5	669.7	608.0	560.4	533.3	524.9	519.3
152.5°	798.6	783.6	738.8	684.6	625.8	578.1	549.2	538.0	534.2
155°	803.2	788.3	747.2	696.8	642.6	594.9	565.1	552.0	549.2
157.5°	803.2	790.2	750.9	706.1	658.5	612.7	580.0	567.9	566.0
160°	800.4	790.2	755.6	712.6	669.7	628.6	596.8	583.7	580.9
162.5°	797.6	789.2	757.5	720.1	679.0	642.6	612.7	600.6	596.8
165°	795.8	787.4	755.6	725.7	687.4	655.7	627.6	616.4	611.8
167.5°	786.4	778.9	750.9	729.4	694.9	668.7	640.7	634.2	625.8
170°	772.4	766.8	746.3	731.3	701.4	678.1	654.7	647.3	640.7
172.5°	758.4	754.7	739.7	730.4	706.1	688.3	668.7	665.9	655.7
175°	741.6	741.6	728.5	724.8	708.9	695.8	683.7	680.9	672.5
177.5°	726.6	728.5	718.2	718.2	712.6	704.2	694.9	697.7	689.3
180°	710.8	710.8	710.8	710.8	710.8	710.8	710.8	710.8	710.8

(END OF REPORT)