

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: P275287

Luminaire Tested: **JW-WL-30L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

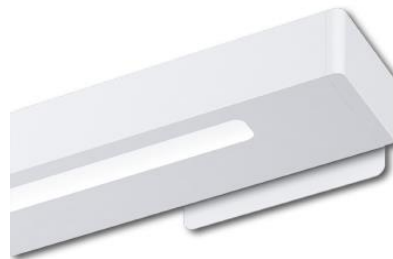
Test Information

Test Method: LM-79-08
Report Number: P275287
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 (2700K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2364.1 lumens
Efficiency: N/A
Efficacy: 86.0 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

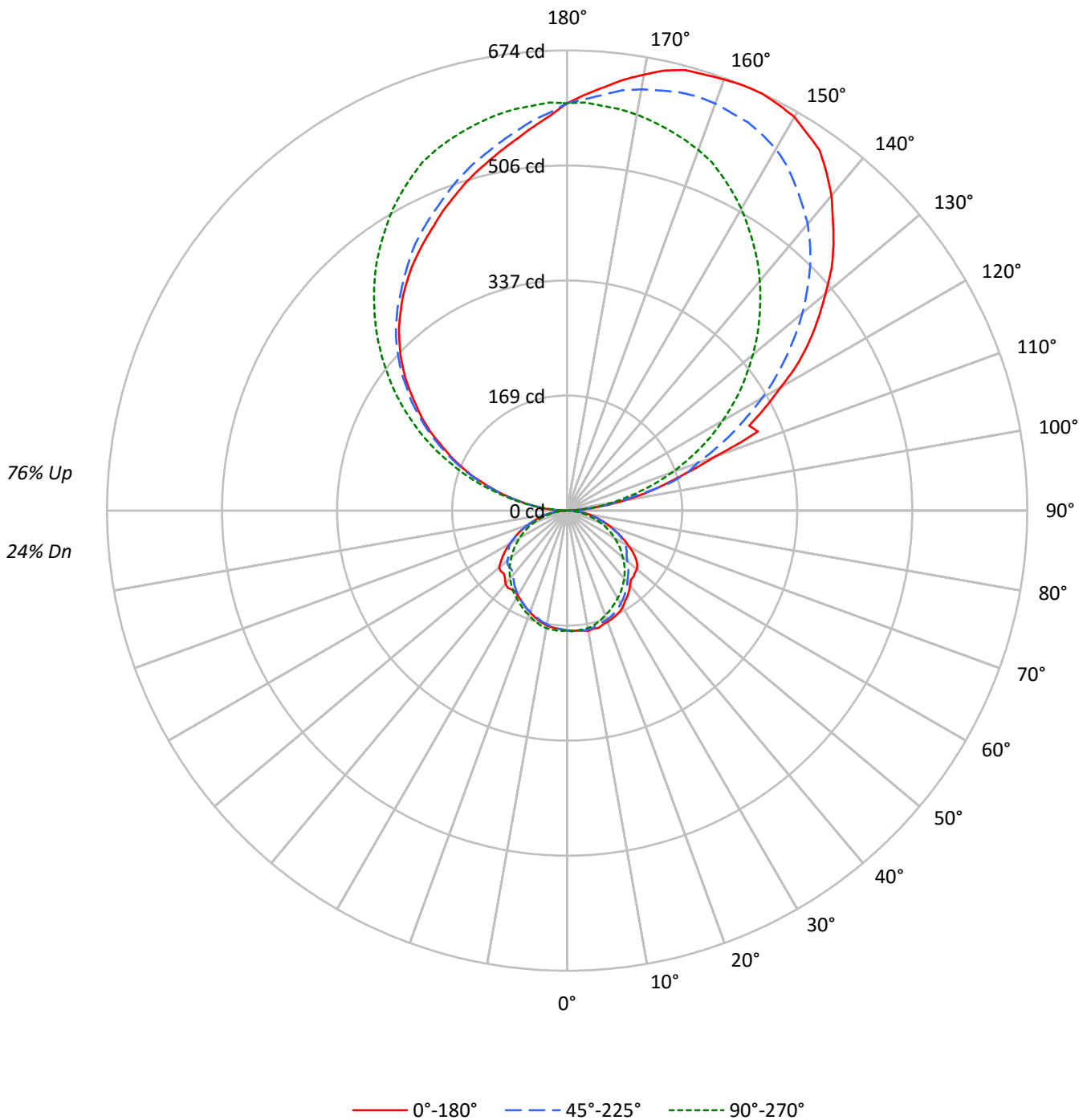
Input Watts (W): 27.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2835	2835	2835
5°	2859	2859	2809
10°	2931	2866	2802
15°	2975	2843	2765
20°	2978	2802	2722
25°	3016	2779	2695
30°	3041	2763	2690
35°	3029	2752	2781
40°	3025	2742	2957
45°	3133	2722	2989
50°	3348	2678	3268
55°	3465	2649	3223
60°	3368	2609	3113
65°	3236	2544	3026
70°	3144	2441	2889
75°	3032	2296	2789
80°	2985	2111	2622
85°	3631	1741	2612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	0.7
10°-20°	48.0	2.0
20°-30°	73.0	3.1
30°-40°	89.1	3.8
40°-50°	96.7	4.1
50°-60°	94.3	4.0
60°-70°	75.9	3.2
70°-80°	46.6	2.0
80°-90°	16.5	0.7
90°-100°	33.8	1.4
100°-110°	129.5	5.5
110°-120°	228.3	9.7
120°-130°	297.4	12.6
130°-140°	328.5	13.9
140°-150°	313.7	13.3
150°-160°	254.7	10.8
160°-170°	164.7	7.0
170°-180°	56.7	2.4
0°-30°	137.7	5.8
0°-40°	226.8	9.6
0°-60°	417.9	17.7
0°-90°	556.9	23.6
90°-120°	391.6	16.6
90°-150°	1331.2	56.3
90°-180°	1807.0	76.4
0°-180°	2364.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	176	176	176	176	176	
5°	176	177	176	173	173	17
15°	178	174	170	164	165	50
25°	169	165	156	151	151	78
35°	154	148	140	134	141	96
45°	137	127	119	118	131	106
55°	123	107	94	104	114	109
65°	85	84	67	79	79	84
75°	49	47	37	44	45	52
85°	20	17	9	14	14	18
90°	4	3	1	3	2	4
95°	27	28	26	28	31	34
105°	147	155	113	104	104	159
115°	294	266	214	193	188	302
125°	434	391	310	278	270	386
135°	552	503	398	354	347	425
145°	644	582	476	416	409	401
155°	674	627	539	474	461	311
165°	668	634	577	527	514	189
175°	622	612	595	574	564	60
180°	597	597	597	597	597	



TEST NUMBER: P275287

CATALOG NUMBER: JW-WL-30L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6
2.5°	176.4	177.2	177.2	176.4	176.4	176.4	174.0	174.8	174.0
5°	176.4	178.8	177.2	177.2	176.4	174.8	173.3	174.0	173.3
7.5°	177.2	178.8	177.2	176.4	175.6	173.3	171.7	171.7	172.5
10°	178.8	178.8	177.2	176.4	174.8	171.7	169.3	169.3	170.9
12.5°	177.2	178.8	175.6	174.8	173.3	170.1	167.0	167.0	168.6
15°	178.0	177.2	174.0	172.5	170.1	167.8	163.9	163.9	165.4
17.5°	174.8	176.4	171.7	170.1	167.0	164.6	160.7	160.7	162.3
20°	173.3	174.8	170.1	167.0	163.1	161.5	157.6	158.4	158.4
22.5°	171.7	172.5	167.8	163.9	159.9	157.6	155.2	155.2	155.2
25°	169.3	169.3	164.6	159.9	156.0	152.9	151.3	151.3	151.3
27.5°	167.0	166.2	161.5	156.8	152.1	149.0	147.4	147.4	147.4
30°	163.1	161.5	156.8	152.1	148.2	145.0	143.5	142.7	144.3
32.5°	157.6	156.8	152.9	148.2	144.3	140.3	138.8	138.8	140.3
35°	153.7	152.1	148.2	143.5	139.6	135.6	134.1	134.8	141.1
37.5°	149.0	147.4	142.7	140.3	134.8	130.9	128.6	135.6	142.7
40°	143.5	142.7	137.2	134.8	130.1	127.0	123.1	136.4	140.3
42.5°	138.0	137.2	131.7	129.4	124.7	121.5	119.2	134.1	134.8
45°	137.2	132.5	127.0	123.1	119.2	116.0	118.4	128.6	130.9
47.5°	134.8	130.1	121.5	116.8	112.9	109.8	117.6	124.7	131.7
50°	133.3	127.8	115.2	111.3	106.6	103.5	114.5	125.4	130.1
52.5°	129.4	125.4	109.8	104.3	100.4	97.2	107.4	122.3	122.3
55°	123.1	120.7	106.6	97.2	94.1	90.9	103.5	113.7	114.5
57.5°	114.5	113.7	102.7	90.2	87.0	84.7	101.9	105.8	105.8
60°	104.3	105.1	98.0	83.1	80.8	79.2	96.4	96.4	96.4
62.5°	94.9	94.9	91.7	76.8	73.7	74.5	87.8	87.8	87.8
65°	84.7	84.7	83.9	69.8	66.6	70.6	79.2	79.2	79.2
67.5°	75.3	75.3	74.5	61.9	59.6	63.5	70.6	69.8	69.8
70°	66.6	66.6	65.1	56.4	51.7	57.2	61.2	61.9	61.2
72.5°	58.0	57.2	55.7	51.0	43.9	52.5	52.5	52.5	51.7
75°	48.6	48.6	47.0	43.9	36.8	43.9	43.9	43.9	44.7
77.5°	40.8	40.0	38.4	35.3	29.0	34.5	35.3	35.3	35.3
80°	32.1	32.1	30.6	26.7	22.7	26.7	26.7	27.4	28.2
82.5°	25.1	25.1	23.5	20.4	15.7	18.8	19.6	20.4	20.4
85°	19.6	19.6	17.2	14.1	9.4	12.5	14.1	14.9	14.1
87.5°	14.1	14.1	12.5	9.4	5.5	7.8	7.8	8.6	7.8
90°	3.9	3.9	3.1	2.4	0.8	2.4	3.1	2.4	1.6
92.5°	7.1	7.8	9.4	11.0	9.4	12.5	15.7	16.5	16.5
95°	26.7	26.7	28.2	27.4	25.9	27.4	28.2	31.4	30.6
97.5°	54.1	53.3	51.7	47.8	45.5	43.9	44.7	46.3	46.3
100°	83.9	82.3	77.6	77.6	65.9	62.7	63.5	63.5	63.5
102.5°	116.8	113.7	105.8	98.8	88.6	85.5	83.1	82.3	82.3
105°	147.4	145.8	155.2	123.9	112.9	107.4	103.5	102.7	103.5
107.5°	183.5	180.3	185.0	152.9	138.8	130.1	126.2	123.9	123.1
110°	229.7	260.3	202.3	182.7	163.9	153.7	149.0	146.6	146.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	302.6	265.0	233.6	211.7	188.2	178.0	170.9	168.6	167.8
115°	294.0	285.4	265.8	241.5	214.0	201.5	192.9	190.5	188.2
117.5°	326.9	319.9	296.4	270.5	239.1	225.0	214.0	211.7	208.5
120°	361.4	353.6	330.1	297.1	262.6	245.4	236.0	233.6	231.3
122.5°	400.6	387.3	361.4	326.1	286.9	266.6	256.4	253.2	251.7
125°	433.6	419.4	391.2	350.4	310.5	286.9	278.3	273.6	270.5
127.5°	464.1	453.2	421.0	377.1	332.4	307.3	296.4	292.4	291.6
130°	493.9	483.7	450.0	403.8	355.2	326.1	317.5	312.0	311.2
132.5°	525.3	510.4	476.7	427.3	377.1	346.5	335.6	330.8	330.1
135°	551.9	539.4	503.3	449.2	398.3	365.3	354.4	348.9	347.3
137.5°	576.2	566.0	526.8	472.0	418.7	385.7	370.8	366.1	364.6
140°	602.1	588.0	548.0	492.4	439.0	406.1	386.5	383.4	379.5
142.5°	624.1	610.0	565.3	513.5	458.6	422.6	400.6	399.8	395.1
145°	644.4	627.2	582.5	532.3	475.9	439.0	416.3	413.2	409.2
147.5°	654.6	642.1	599.0	547.2	493.1	455.5	432.0	428.1	423.4
150°	665.6	651.5	611.5	562.1	510.4	470.4	447.7	440.6	435.9
152.5°	670.3	657.8	620.1	574.7	525.3	485.3	461.0	451.6	448.4
155°	674.2	661.7	627.2	584.9	539.4	499.4	474.3	463.3	461.0
157.5°	674.2	663.3	630.3	592.7	552.7	514.3	486.9	476.7	475.1
160°	671.9	663.3	634.3	598.2	562.1	527.6	501.0	490.0	487.6
162.5°	669.5	662.5	635.8	604.5	570.0	539.4	514.3	504.1	501.0
165°	668.0	660.9	634.3	609.2	577.0	550.4	526.8	517.4	513.5
167.5°	660.1	653.9	630.3	612.3	583.3	561.3	537.8	532.3	525.3
170°	648.4	643.7	626.4	613.9	588.8	569.2	549.6	543.3	537.8
172.5°	636.6	633.5	620.9	613.1	592.7	577.8	561.3	559.0	550.4
175°	622.5	622.5	611.5	608.4	595.1	584.1	573.9	571.5	564.5
177.5°	610.0	611.5	602.9	602.9	598.2	591.1	583.3	585.6	578.6
180°	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6

(END OF REPORT)