

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: P275288

Luminaire Tested: **JW-WL-30L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

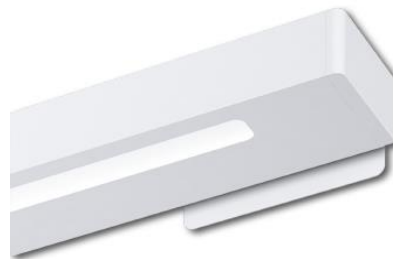
Test Information

Test Method: LM-79-08
Report Number: P275288
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 (3000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2457.6 lumens
Efficiency: N/A
Efficacy: 89.7 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

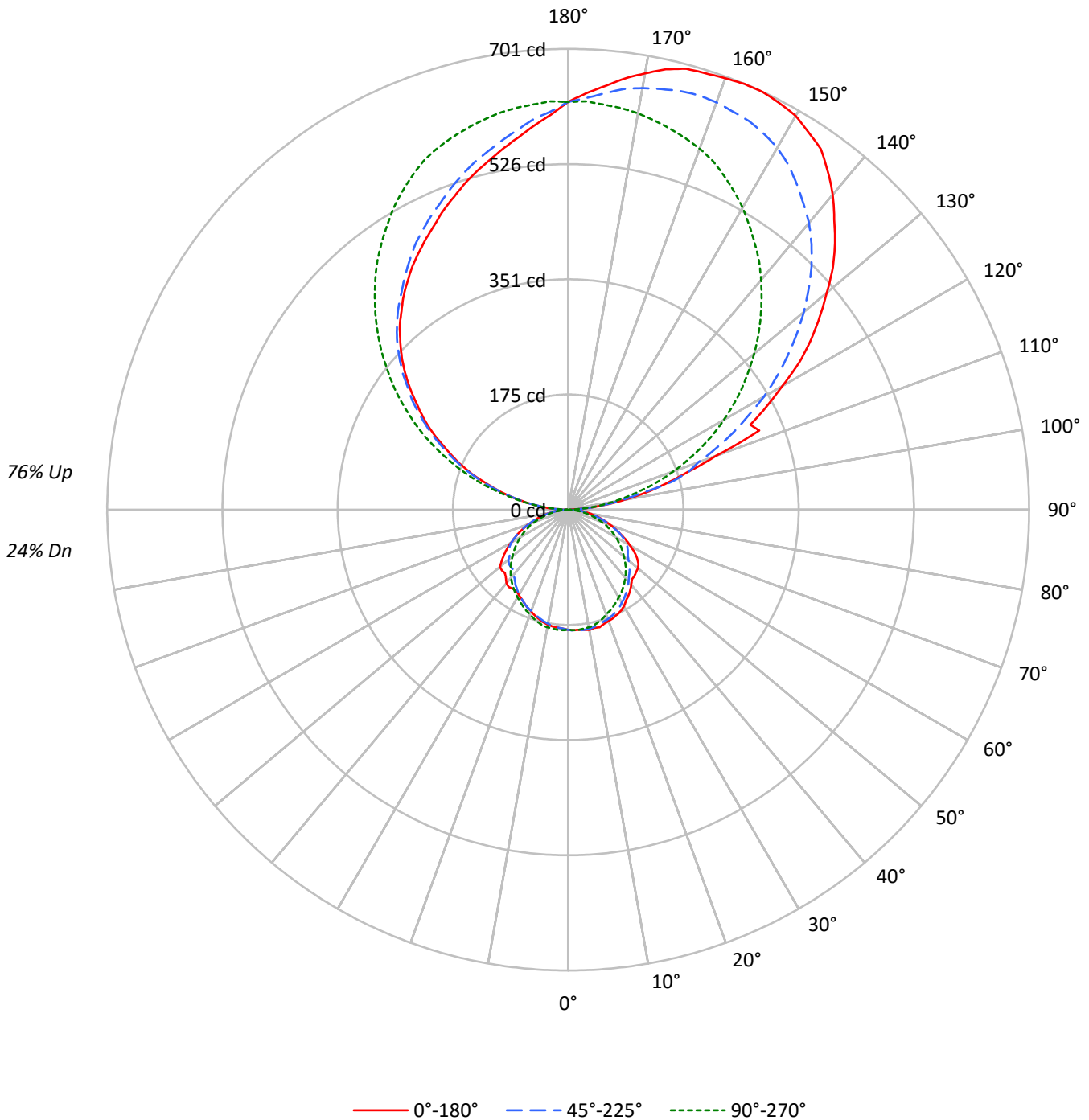
Input Watts (W): 27.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2948	2948	2948
5°	2972	2972	2919
10°	3046	2979	2913
15°	3092	2957	2875
20°	3094	2912	2828
25°	3135	2890	2802
30°	3160	2871	2797
35°	3148	2860	2892
40°	3143	2852	3075
45°	3256	2829	3108
50°	3479	2783	3399
55°	3603	2753	3350
60°	3500	2709	3236
65°	3362	2648	3144
70°	3271	2540	3002
75°	3150	2389	2901
80°	3106	2194	2724
85°	3779	1815	2723



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.7
10°-20°	49.9	2.0
20°-30°	75.9	3.1
30°-40°	92.6	3.8
40°-50°	100.6	4.1
50°-60°	98.1	4.0
60°-70°	78.9	3.2
70°-80°	48.5	2.0
80°-90°	17.1	0.7
90°-100°	35.2	1.4
100°-110°	134.7	5.5
110°-120°	237.3	9.7
120°-130°	309.1	12.6
130°-140°	341.5	13.9
140°-150°	326.1	13.3
150°-160°	264.8	10.8
160°-170°	171.2	7.0
170°-180°	58.9	2.4
0°-30°	143.2	5.8
0°-40°	235.8	9.6
0°-60°	434.4	17.7
0°-90°	578.9	23.6
90°-120°	407.1	16.6
90°-150°	1383.8	56.3
90°-180°	1879.0	76.5
0°-180°	2457.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	183	183	183	183	183	
5°	183	184	183	180	180	18
15°	185	181	177	170	172	52
25°	176	171	162	157	157	81
35°	160	154	145	139	147	100
45°	143	132	124	123	136	110
55°	128	111	98	108	119	113
65°	88	87	69	82	82	88
75°	50	49	38	46	46	54
85°	20	18	10	15	15	19
90°	4	3	1	3	2	4
95°	28	29	27	29	32	36
105°	153	161	117	108	108	166
115°	306	276	222	200	196	314
125°	451	407	323	289	281	401
135°	574	523	414	368	361	442
145°	670	606	495	433	425	417
155°	701	652	561	493	479	323
165°	694	659	600	548	534	196
175°	647	636	619	597	587	63
180°	620	620	620	620	620	



TEST NUMBER: P275288

CATALOG NUMBER: JW-WL-30L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	182.6	182.6	182.6	182.6	182.6	182.6	182.6	182.6	182.6
2.5°	183.4	184.2	184.2	183.4	183.4	183.4	180.9	181.7	180.9
5°	183.4	185.8	184.2	184.2	183.4	181.7	180.1	180.9	180.1
7.5°	184.2	185.8	184.2	183.4	182.6	180.1	178.5	178.5	179.3
10°	185.8	185.8	184.2	183.4	181.7	178.5	176.0	176.0	177.7
12.5°	184.2	185.8	182.6	181.7	180.1	176.9	173.6	173.6	175.2
15°	185.0	184.2	180.9	179.3	176.9	174.4	170.3	170.3	172.0
17.5°	181.7	183.4	178.5	176.9	173.6	171.1	167.1	167.1	168.7
20°	180.1	181.7	176.9	173.6	169.5	167.9	163.8	164.6	164.6
22.5°	178.5	179.3	174.4	170.3	166.3	163.8	161.4	161.4	161.4
25°	176.0	176.0	171.1	166.3	162.2	158.9	157.3	157.3	157.3
27.5°	173.6	172.8	167.9	163.0	158.1	154.8	153.2	153.2	153.2
30°	169.5	167.9	163.0	158.1	154.0	150.8	149.1	148.3	150.0
32.5°	163.8	163.0	158.9	154.0	150.0	145.9	144.3	144.3	145.9
35°	159.7	158.1	154.0	149.1	145.1	141.0	139.4	140.2	146.7
37.5°	154.8	153.2	148.3	145.9	140.2	136.1	133.7	141.0	148.3
40°	149.1	148.3	142.6	140.2	135.3	132.0	128.0	141.8	145.9
42.5°	143.4	142.6	136.9	134.5	129.6	126.3	123.9	139.4	140.2
45°	142.6	137.7	132.0	128.0	123.9	120.6	123.1	133.7	136.1
47.5°	140.2	135.3	126.3	121.4	117.4	114.1	122.2	129.6	136.9
50°	138.5	132.8	119.8	115.7	110.8	107.6	119.0	130.4	135.3
52.5°	134.5	130.4	114.1	108.4	104.3	101.1	111.7	127.1	127.1
55°	128.0	125.5	110.8	101.1	97.8	94.5	107.6	118.2	119.0
57.5°	119.0	118.2	106.8	93.7	90.5	88.0	105.9	110.0	110.0
60°	108.4	109.2	101.9	86.4	83.9	82.3	100.2	100.2	100.2
62.5°	98.6	98.6	95.4	79.9	76.6	77.4	91.3	91.3	91.3
65°	88.0	88.0	87.2	72.5	69.3	73.3	82.3	82.3	82.3
67.5°	78.2	78.2	77.4	64.4	61.9	66.0	73.3	72.5	72.5
70°	69.3	69.3	67.6	58.7	53.8	59.5	63.6	64.4	63.6
72.5°	60.3	59.5	57.9	53.0	45.6	54.6	54.6	54.6	53.8
75°	50.5	50.5	48.9	45.6	38.3	45.6	45.6	45.6	46.5
77.5°	42.4	41.6	39.9	36.7	30.2	35.9	36.7	36.7	36.7
80°	33.4	33.4	31.8	27.7	23.6	27.7	27.7	28.5	29.3
82.5°	26.1	26.1	24.4	21.2	16.3	19.6	20.4	21.2	21.2
85°	20.4	20.4	17.9	14.7	9.8	13.0	14.7	15.5	14.7
87.5°	14.7	14.7	13.0	9.8	5.7	8.1	8.1	9.0	8.1
90°	4.1	4.1	3.3	2.4	0.8	2.4	3.3	2.4	1.6
92.5°	7.3	8.1	9.8	11.4	9.8	13.0	16.3	17.1	17.1
95°	27.7	27.7	29.3	28.5	26.9	28.5	29.3	32.6	31.8
97.5°	56.2	55.4	53.8	49.7	47.3	45.6	46.5	48.1	48.1
100°	87.2	85.6	80.7	80.7	68.5	65.2	66.0	66.0	66.0
102.5°	121.4	118.2	110.0	102.7	92.1	88.8	86.4	85.6	85.6
105°	153.2	151.6	161.4	128.8	117.4	111.7	107.6	106.8	107.6
107.5°	190.7	187.4	192.3	158.9	144.3	135.3	131.2	128.8	128.0
110°	238.8	270.6	210.3	189.9	170.3	159.7	154.8	152.4	152.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	314.6	275.5	242.9	220.0	195.6	185.0	177.7	175.2	174.4
115°	305.6	296.7	276.3	251.0	222.5	209.5	200.5	198.0	195.6
117.5°	339.9	332.5	308.1	281.2	248.6	233.9	222.5	220.0	216.8
120°	375.7	367.6	343.1	308.9	273.0	255.1	245.3	242.9	240.4
122.5°	416.5	402.6	375.7	339.0	298.3	277.1	266.5	263.2	261.6
125°	450.7	436.0	406.7	364.3	322.7	298.3	289.3	284.4	281.2
127.5°	482.5	471.1	437.7	392.0	345.6	319.5	308.1	304.0	303.2
130°	513.4	502.9	467.8	419.7	369.2	339.0	330.1	324.4	323.6
132.5°	546.0	530.6	495.5	444.2	392.0	360.2	348.8	343.9	343.1
135°	573.8	560.7	523.2	467.0	414.0	379.8	368.4	362.7	361.0
137.5°	599.0	588.4	547.7	490.6	435.2	401.0	385.5	380.6	379.0
140°	625.9	611.2	569.7	511.8	456.4	422.2	401.8	398.5	394.5
142.5°	648.7	634.1	587.6	533.8	476.8	439.3	416.5	415.6	410.8
145°	669.9	652.0	605.5	553.4	494.7	456.4	432.8	429.5	425.4
147.5°	680.5	667.5	622.7	568.9	512.6	473.5	449.1	445.0	440.1
150°	691.9	677.3	635.7	584.4	530.6	489.0	465.4	458.0	453.1
152.5°	696.8	683.8	644.7	597.4	546.0	504.5	479.2	469.4	466.2
155°	700.9	687.9	652.0	608.0	560.7	519.2	493.1	481.7	479.2
157.5°	700.9	689.5	655.3	616.1	574.6	534.6	506.1	495.5	493.9
160°	698.5	689.5	659.3	621.8	584.4	548.5	520.8	509.4	506.9
162.5°	696.0	688.7	661.0	628.4	592.5	560.7	534.6	524.0	520.8
165°	694.4	687.0	659.3	633.3	599.8	572.1	547.7	537.9	533.8
167.5°	686.2	679.7	655.3	636.5	606.4	583.5	559.1	553.4	546.0
170°	674.0	669.1	651.2	638.1	612.1	591.7	571.3	564.8	559.1
172.5°	661.8	658.5	645.5	637.3	616.1	600.7	583.5	581.1	572.1
175°	647.1	647.1	635.7	632.4	618.6	607.2	596.6	594.1	586.8
177.5°	634.1	635.7	626.7	626.7	621.8	614.5	606.4	608.8	601.5
180°	620.2	620.2	620.2	620.2	620.2	620.2	620.2	620.2	620.2

(END OF REPORT)