

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: P253629

Luminaire Tested: **JW-WL-30L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

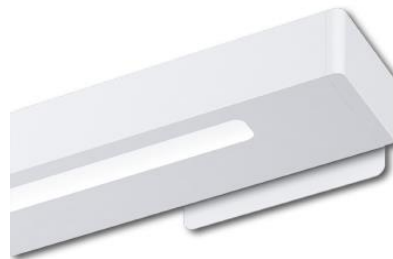
Test Information

Test Method: LM-79-08
Report Number: P253629
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 (4000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2769.8 lumens
Efficiency: N/A
Efficacy: 97.9 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

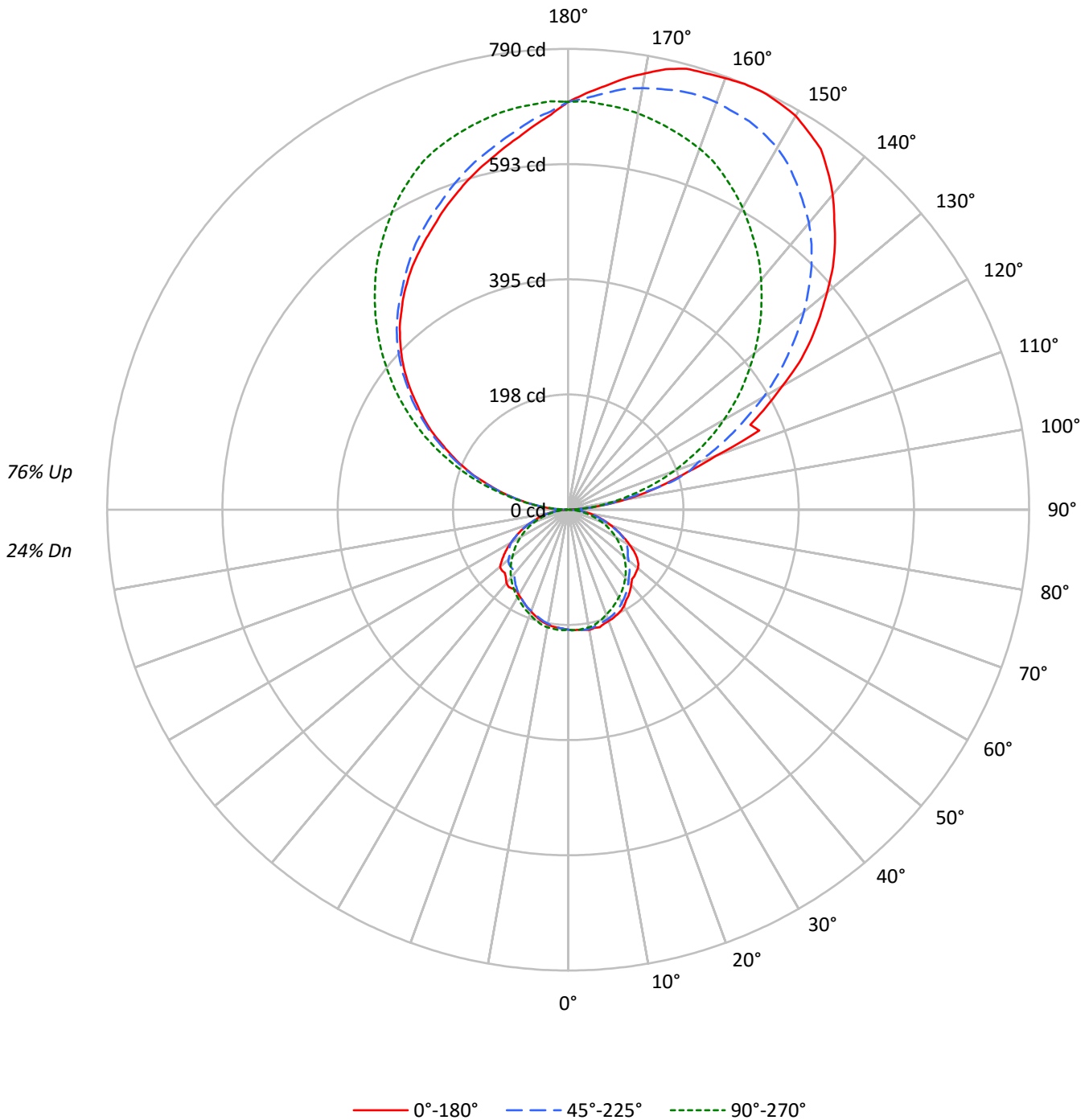
Input Watts (W): 28.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3321	3321	3321
5°	3350	3350	3290
10°	3433	3358	3282
15°	3485	3331	3239
20°	3488	3283	3187
25°	3534	3257	3159
30°	3563	3237	3151
35°	3548	3223	3258
40°	3543	3214	3465
45°	3669	3188	3503
50°	3921	3137	3831
55°	4059	3102	3775
60°	3946	3055	3649
65°	3790	2984	3545
70°	3687	2861	3380
75°	3550	2695	3269
80°	3505	2473	3078
85°	4261	2038	3057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	0.7
10°-20°	56.3	2.0
20°-30°	85.5	3.1
30°-40°	104.4	3.8
40°-50°	113.3	4.1
50°-60°	110.5	4.0
60°-70°	88.9	3.2
70°-80°	54.6	2.0
80°-90°	19.3	0.7
90°-100°	39.6	1.4
100°-110°	151.8	5.5
110°-120°	267.4	9.7
120°-130°	348.4	12.6
130°-140°	384.8	13.9
140°-150°	367.5	13.3
150°-160°	298.4	10.8
160°-170°	193.0	7.0
170°-180°	66.4	2.4
0°-30°	161.4	5.8
0°-40°	265.7	9.6
0°-60°	489.6	17.7
0°-90°	652.4	23.6
90°-120°	458.8	16.6
90°-150°	1559.6	56.3
90°-180°	2117.0	76.4
0°-180°	2769.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	206	206	206	206	206	
5°	207	208	207	203	203	20
15°	208	204	199	192	194	59
25°	198	193	183	177	177	92
35°	180	174	164	157	165	113
45°	161	149	140	139	153	124
55°	144	125	110	121	134	127
65°	99	98	78	93	93	99
75°	57	55	43	51	52	61
85°	23	20	11	16	16	22
90°	5	4	1	4	2	5
95°	31	33	30	33	36	40
105°	173	182	132	121	121	187
115°	344	311	251	226	220	354
125°	508	458	364	326	317	452
135°	647	590	467	415	407	498
145°	755	682	558	488	480	470
155°	790	735	632	556	540	364
165°	783	743	676	617	602	221
175°	729	716	697	672	661	71
180°	699	699	699	699	699	



TEST NUMBER: P253629

CATALOG NUMBER: JW-WL-30L93050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	205.7	205.7	205.7	205.7	205.7	205.7	205.7	205.7	205.7
2.5°	206.7	207.6	207.6	206.7	206.7	206.7	203.9	204.8	203.9
5°	206.7	209.4	207.6	207.6	206.7	204.8	203.0	203.9	203.0
7.5°	207.6	209.4	207.6	206.7	205.7	203.0	201.2	201.2	202.1
10°	209.4	209.4	207.6	206.7	204.8	201.2	198.4	198.4	200.2
12.5°	207.6	209.4	205.7	204.8	203.0	199.3	195.6	195.6	197.5
15°	208.5	207.6	203.9	202.1	199.3	196.6	192.0	192.0	193.8
17.5°	204.8	206.7	201.2	199.3	195.6	192.9	188.3	188.3	190.1
20°	203.0	204.8	199.3	195.6	191.1	189.2	184.6	185.5	185.5
22.5°	201.2	202.1	196.6	192.0	187.4	184.6	181.9	181.9	181.9
25°	198.4	198.4	192.9	187.4	182.8	179.1	177.3	177.3	177.3
27.5°	195.6	194.7	189.2	183.7	178.2	174.5	172.7	172.7	172.7
30°	191.1	189.2	183.7	178.2	173.6	169.9	168.1	167.2	169.0
32.5°	184.6	183.7	179.1	173.6	169.0	164.4	162.6	162.6	164.4
35°	180.0	178.2	173.6	168.1	163.5	158.9	157.1	158.0	165.3
37.5°	174.5	172.7	167.2	164.4	158.0	153.4	150.6	158.9	167.2
40°	168.1	167.2	160.7	158.0	152.5	148.8	144.2	159.8	164.4
42.5°	161.7	160.7	154.3	151.6	146.0	142.4	139.6	157.1	158.0
45°	160.7	155.2	148.8	144.2	139.6	135.9	138.7	150.6	153.4
47.5°	158.0	152.5	142.4	136.9	132.3	128.6	137.8	146.0	154.3
50°	156.1	149.7	135.0	130.4	124.9	121.2	134.1	147.0	152.5
52.5°	151.6	147.0	128.6	122.2	117.6	113.9	125.8	143.3	143.3
55°	144.2	141.5	124.9	113.9	110.2	106.5	121.2	133.2	134.1
57.5°	134.1	133.2	120.3	105.6	102.0	99.2	119.4	124.0	124.0
60°	122.2	123.1	114.8	97.4	94.6	92.8	113.0	113.0	113.0
62.5°	111.1	111.1	107.5	90.0	86.3	87.3	102.9	102.9	102.9
65°	99.2	99.2	98.3	81.7	78.1	82.7	92.8	92.8	92.8
67.5°	88.2	88.2	87.3	72.6	69.8	74.4	82.7	81.7	81.7
70°	78.1	78.1	76.2	66.1	60.6	67.1	71.6	72.6	71.6
72.5°	68.0	67.1	65.2	59.7	51.4	61.5	61.5	61.5	60.6
75°	56.9	56.9	55.1	51.4	43.2	51.4	51.4	51.4	52.4
77.5°	47.8	46.8	45.0	41.3	34.0	40.4	41.3	41.3	41.3
80°	37.7	37.7	35.8	31.2	26.6	31.2	31.2	32.1	33.1
82.5°	29.4	29.4	27.6	23.9	18.4	22.0	23.0	23.9	23.9
85°	23.0	23.0	20.2	16.5	11.0	14.7	16.5	17.5	16.5
87.5°	16.5	16.5	14.7	11.0	6.4	9.2	9.2	10.1	9.2
90°	4.6	4.6	3.7	2.8	0.9	2.8	3.7	2.8	1.8
92.5°	8.3	9.2	11.0	12.9	11.0	14.7	18.4	19.3	19.3
95°	31.2	31.2	33.1	32.1	30.3	32.1	33.1	36.7	35.8
97.5°	63.4	62.5	60.6	56.0	53.3	51.4	52.4	54.2	54.2
100°	98.3	96.4	90.9	90.9	77.2	73.5	74.4	74.4	74.4
102.5°	136.9	133.2	124.0	115.7	103.8	100.1	97.4	96.4	96.4
105°	172.7	170.8	181.9	145.1	132.3	125.8	121.2	120.3	121.2
107.5°	214.9	211.3	216.8	179.1	162.6	152.5	147.9	145.1	144.2
110°	269.1	304.9	237.0	214.0	192.0	180.0	174.5	171.8	171.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	354.5	310.5	273.7	248.0	220.4	208.5	200.2	197.5	196.6
115°	344.4	334.3	311.4	282.9	250.8	236.1	226.0	223.2	220.4
117.5°	383.0	374.8	347.2	316.9	280.1	263.6	250.8	248.0	244.3
120°	423.4	414.2	386.7	348.1	307.7	287.5	276.5	273.7	271.0
122.5°	469.4	453.7	423.4	382.1	336.2	312.3	300.4	296.7	294.8
125°	507.9	491.4	458.3	410.6	363.7	336.2	326.1	320.6	316.9
127.5°	543.8	530.9	493.2	441.8	389.4	360.1	347.2	342.6	341.7
130°	578.7	566.7	527.2	473.0	416.1	382.1	372.0	365.6	364.6
132.5°	615.4	598.0	558.5	500.6	441.8	406.0	393.1	387.6	386.7
135°	646.6	631.9	589.7	526.3	466.6	428.0	415.2	408.7	406.9
137.5°	675.1	663.2	617.2	552.9	490.5	451.9	434.5	428.9	427.1
140°	705.4	688.9	642.0	576.8	514.4	475.8	452.8	449.2	444.6
142.5°	731.1	714.6	662.2	601.6	537.3	495.1	469.4	468.4	462.9
145°	755.0	734.8	682.5	623.7	557.5	514.4	487.7	484.1	479.5
147.5°	767.0	752.3	701.7	641.1	577.7	533.7	506.1	501.5	496.0
150°	779.8	763.3	716.4	658.6	598.0	551.1	524.5	516.2	510.7
152.5°	785.3	770.6	726.5	673.3	615.4	568.6	540.1	529.1	525.4
155°	789.9	775.2	734.8	685.2	631.9	585.1	555.7	542.8	540.1
157.5°	789.9	777.1	738.5	694.4	647.6	602.5	570.4	558.5	556.6
160°	787.2	777.1	743.1	700.8	658.6	618.2	586.9	574.1	571.3
162.5°	784.4	776.1	744.9	708.2	667.8	631.9	602.5	590.6	586.9
165°	782.6	774.3	743.1	713.7	676.0	644.8	617.2	606.2	601.6
167.5°	773.4	766.0	738.5	717.4	683.4	657.7	630.1	623.7	615.4
170°	759.6	754.1	733.9	719.2	689.8	666.8	643.9	636.5	630.1
172.5°	745.8	742.2	727.5	718.3	694.4	676.9	657.7	654.9	644.8
175°	729.3	729.3	716.4	712.8	697.2	684.3	672.4	669.6	661.3
177.5°	714.6	716.4	706.3	706.3	700.8	692.6	683.4	686.1	677.9
180°	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0

(END OF REPORT)