

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: P253625

Luminaire Tested: **JW-WL-30L83050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

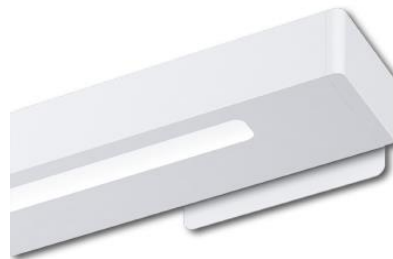
Test Information

Test Method: LM-79-08
Report Number: P253625
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-30L83050-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3201.5 lumens
Efficiency: N/A
Efficacy: 110.4 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

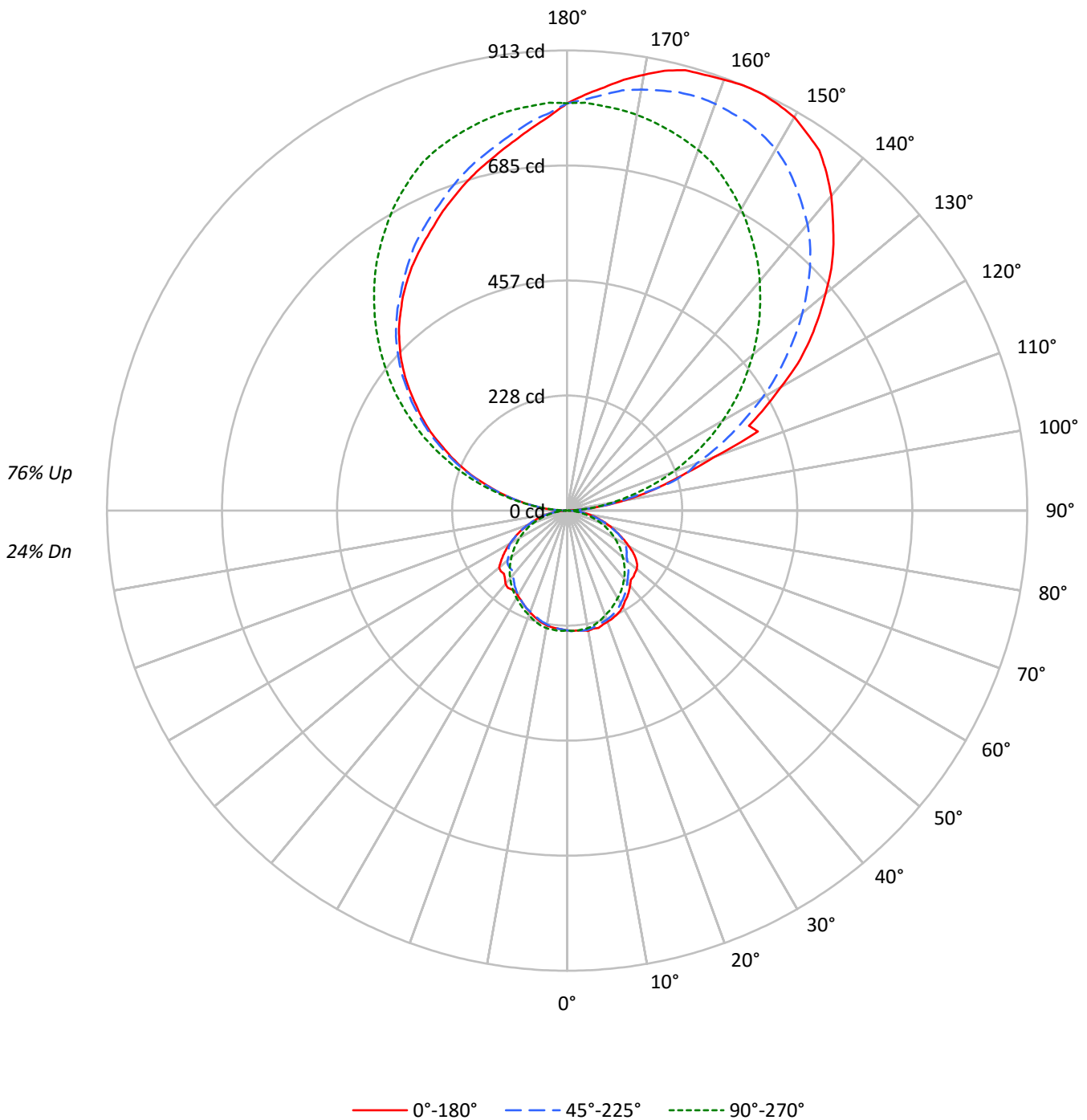
Input Watts (W): 29
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	24					24			
1	92	87	83	80	81	78	74	72	60	57	56	43	42	40	28	27	26	19					19			
2	83	76	70	65	74	68	63	58	52	49	46	37	35	33	24	23	22	16					16			
3	76	66	59	54	67	59	53	48	46	41	38	33	30	28	21	20	18	13					13			
4	69	59	51	45	61	52	46	41	40	36	32	29	26	24	19	17	16	11					11			
5	63	52	44	38	56	46	40	35	36	31	27	26	23	20	17	15	13	10					10			
6	58	46	38	33	51	41	35	30	32	27	24	23	20	18	15	13	12	8					8			
7	53	42	34	29	47	37	31	26	29	24	21	21	18	15	14	12	10	7					7			
8	49	38	30	25	44	34	27	23	26	21	18	19	16	14	13	11	9	6					6			
9	46	34	27	22	41	31	24	20	24	19	16	17	14	12	12	10	8	6					6			
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	7	5					5			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	3839	3839	3839
5°	3872	3872	3802
10°	3969	3882	3794
15°	4028	3851	3744
20°	4031	3794	3686
25°	4085	3764	3650
30°	4117	3742	3643
35°	4102	3725	3767
40°	4095	3714	4005
45°	4242	3685	4048
50°	4534	3627	4426
55°	4693	3586	4363
60°	4560	3533	4217
65°	4382	3446	4096
70°	4258	3309	3909
75°	4105	3113	3774
80°	4045	2864	3552
85°	4909	2353	3538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	0.7
10°-20°	65.0	2.0
20°-30°	98.8	3.1
30°-40°	120.7	3.8
40°-50°	131.0	4.1
50°-60°	127.7	4.0
60°-70°	102.8	3.2
70°-80°	63.1	2.0
80°-90°	22.3	0.7
90°-100°	45.8	1.4
100°-110°	175.4	5.5
110°-120°	309.1	9.7
120°-130°	402.7	12.6
130°-140°	444.8	13.9
140°-150°	424.8	13.3
150°-160°	344.9	10.8
160°-170°	223.0	7.0
170°-180°	76.8	2.4
0°-30°	186.5	5.8
0°-40°	307.2	9.6
0°-60°	565.9	17.7
0°-90°	754.1	23.6
90°-120°	530.3	16.6
90°-150°	1802.7	56.3
90°-180°	2447.0	76.4
0°-180°	3201.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	238	238	238	238	238	
5°	239	240	239	235	235	23
15°	241	236	230	222	224	68
25°	229	223	211	205	205	106
35°	208	201	189	182	191	130
45°	186	172	161	160	177	144
55°	167	144	127	140	155	147
65°	115	114	90	107	107	114
75°	66	64	50	60	60	70
85°	26	23	13	19	19	25
90°	5	4	1	4	2	5
95°	36	38	35	38	41	46
105°	200	210	153	140	140	216
115°	398	360	290	261	255	409
125°	587	530	420	377	366	523
135°	747	682	539	480	470	576
145°	873	789	644	564	554	543
155°	913	849	730	642	624	421
165°	905	859	781	714	695	255
175°	843	828	806	777	764	82
180°	808	808	808	808	808	



TEST NUMBER: P253625

CATALOG NUMBER: JW-WL-30L83050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8
2.5°	238.9	239.9	239.9	238.9	238.9	238.9	235.7	236.8	235.7
5°	238.9	242.1	239.9	239.9	238.9	236.8	234.6	235.7	234.6
7.5°	239.9	242.1	239.9	238.9	237.8	234.6	232.5	232.5	233.6
10°	242.1	242.1	239.9	238.9	236.8	232.5	229.3	229.3	231.4
12.5°	239.9	242.1	237.8	236.8	234.6	230.4	226.1	226.1	228.3
15°	241.0	239.9	235.7	233.6	230.4	227.2	221.9	221.9	224.0
17.5°	236.8	238.9	232.5	230.4	226.1	223.0	217.6	217.6	219.8
20°	234.6	236.8	230.4	226.1	220.8	218.7	213.4	214.5	214.5
22.5°	232.5	233.6	227.2	221.9	216.6	213.4	210.2	210.2	210.2
25°	229.3	229.3	223.0	216.6	211.3	207.0	204.9	204.9	204.9
27.5°	226.1	225.1	218.7	212.3	206.0	201.7	199.6	199.6	199.6
30°	220.8	218.7	212.3	206.0	200.7	196.4	194.3	193.2	195.4
32.5°	213.4	212.3	207.0	200.7	195.4	190.0	187.9	187.9	190.0
35°	208.1	206.0	200.7	194.3	189.0	183.7	181.6	182.6	191.1
37.5°	201.7	199.6	193.2	190.0	182.6	177.3	174.1	183.7	193.2
40°	194.3	193.2	185.8	182.6	176.2	172.0	166.7	184.7	190.0
42.5°	186.9	185.8	178.4	175.2	168.8	164.6	161.4	181.6	182.6
45°	185.8	179.4	172.0	166.7	161.4	157.1	160.3	174.1	177.3
47.5°	182.6	176.2	164.6	158.2	152.9	148.6	159.3	168.8	178.4
50°	180.5	173.1	156.1	150.8	144.4	140.1	155.0	169.9	176.2
52.5°	175.2	169.9	148.6	141.2	135.9	131.7	145.5	165.6	165.6
55°	166.7	163.5	144.4	131.7	127.4	123.2	140.1	153.9	155.0
57.5°	155.0	153.9	139.1	122.1	117.8	114.7	138.0	143.3	143.3
60°	141.2	142.3	132.7	112.5	109.4	107.2	130.6	130.6	130.6
62.5°	128.5	128.5	124.2	104.0	99.8	100.9	118.9	118.9	118.9
65°	114.7	114.7	113.6	94.5	90.2	95.6	107.2	107.2	107.2
67.5°	101.9	101.9	100.9	83.9	80.7	86.0	95.6	94.5	94.5
70°	90.2	90.2	88.1	76.4	70.1	77.5	82.8	83.9	82.8
72.5°	78.6	77.5	75.4	69.0	59.5	71.1	71.1	71.1	70.1
75°	65.8	65.8	63.7	59.5	49.9	59.5	59.5	59.5	60.5
77.5°	55.2	54.1	52.0	47.8	39.3	46.7	47.8	47.8	47.8
80°	43.5	43.5	41.4	36.1	30.8	36.1	36.1	37.2	38.2
82.5°	34.0	34.0	31.9	27.6	21.2	25.5	26.5	27.6	27.6
85°	26.5	26.5	23.4	19.1	12.7	17.0	19.1	20.2	19.1
87.5°	19.1	19.1	17.0	12.7	7.4	10.6	10.6	11.7	10.6
90°	5.3	5.3	4.2	3.2	1.1	3.2	4.2	3.2	2.1
92.5°	9.6	10.6	12.7	14.9	12.7	17.0	21.2	22.3	22.3
95°	36.1	36.1	38.2	37.2	35.0	37.2	38.2	42.5	41.4
97.5°	73.3	72.2	70.1	64.8	61.6	59.5	60.5	62.6	62.6
100°	113.6	111.5	105.1	105.1	89.2	84.9	86.0	86.0	86.0
102.5°	158.2	153.9	143.3	133.8	120.0	115.7	112.5	111.5	111.5
105°	199.6	197.5	210.2	167.7	152.9	145.5	140.1	139.1	140.1
107.5°	248.4	244.2	250.6	207.0	187.9	176.2	170.9	167.7	166.7
110°	311.1	352.5	273.9	247.4	221.9	208.1	201.7	198.5	198.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	409.8	358.9	316.4	286.7	254.8	241.0	231.4	228.3	227.2
115°	398.1	386.5	359.9	327.0	289.8	272.9	261.2	258.0	254.8
117.5°	442.7	433.2	401.3	366.3	323.8	304.7	289.8	286.7	282.4
120°	489.4	478.8	447.0	402.4	355.7	332.3	319.6	316.4	313.2
122.5°	542.5	524.5	489.4	441.7	388.6	361.0	347.2	342.9	340.8
125°	587.1	568.0	529.8	474.6	420.4	388.6	376.9	370.5	366.3
127.5°	628.5	613.7	570.1	510.7	450.2	416.2	401.3	396.0	395.0
130°	668.9	655.1	609.4	546.8	480.9	441.7	430.0	422.6	421.5
132.5°	711.3	691.2	645.5	578.6	510.7	469.3	454.4	448.0	447.0
135°	747.4	730.4	681.6	608.4	539.3	494.8	479.9	472.5	470.3
137.5°	780.3	766.5	713.5	639.1	566.9	522.4	502.2	495.8	493.7
140°	815.4	796.3	742.1	666.7	594.6	550.0	523.4	519.2	513.9
142.5°	845.1	826.0	765.5	695.4	621.1	572.3	542.5	541.5	535.1
145°	872.7	849.4	788.8	720.9	644.5	594.6	563.8	559.5	554.2
147.5°	886.5	869.5	811.1	741.1	667.8	616.8	585.0	579.7	573.3
150°	901.4	882.3	828.1	761.2	691.2	637.0	606.2	596.7	590.3
152.5°	907.8	890.8	839.8	778.2	711.3	657.2	624.3	611.5	607.3
155°	913.1	896.1	849.4	792.0	730.4	676.3	642.3	627.5	624.3
157.5°	913.1	898.2	853.6	802.6	748.5	696.5	659.3	645.5	643.4
160°	909.9	898.2	858.9	810.1	761.2	714.5	678.4	663.6	660.4
162.5°	906.7	897.1	861.0	818.6	771.9	730.4	696.5	682.7	678.4
165°	904.6	895.0	858.9	824.9	781.4	745.3	713.5	700.7	695.4
167.5°	893.9	885.5	853.6	829.2	789.9	760.2	728.3	720.9	711.3
170°	878.0	871.7	848.3	831.3	797.3	770.8	744.2	735.8	728.3
172.5°	862.1	857.9	840.9	830.2	802.6	782.5	760.2	757.0	745.3
175°	843.0	843.0	828.1	823.9	805.8	791.0	777.2	774.0	764.4
177.5°	826.0	828.1	816.4	816.4	810.1	800.5	789.9	793.1	783.5
180°	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0	808.0

(END OF REPORT)