

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: P253624

Luminaire Tested: **JW-WL-30L83050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253624
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 (4000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3173.9 lumens
Efficiency: N/A
Efficacy: 112.5 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

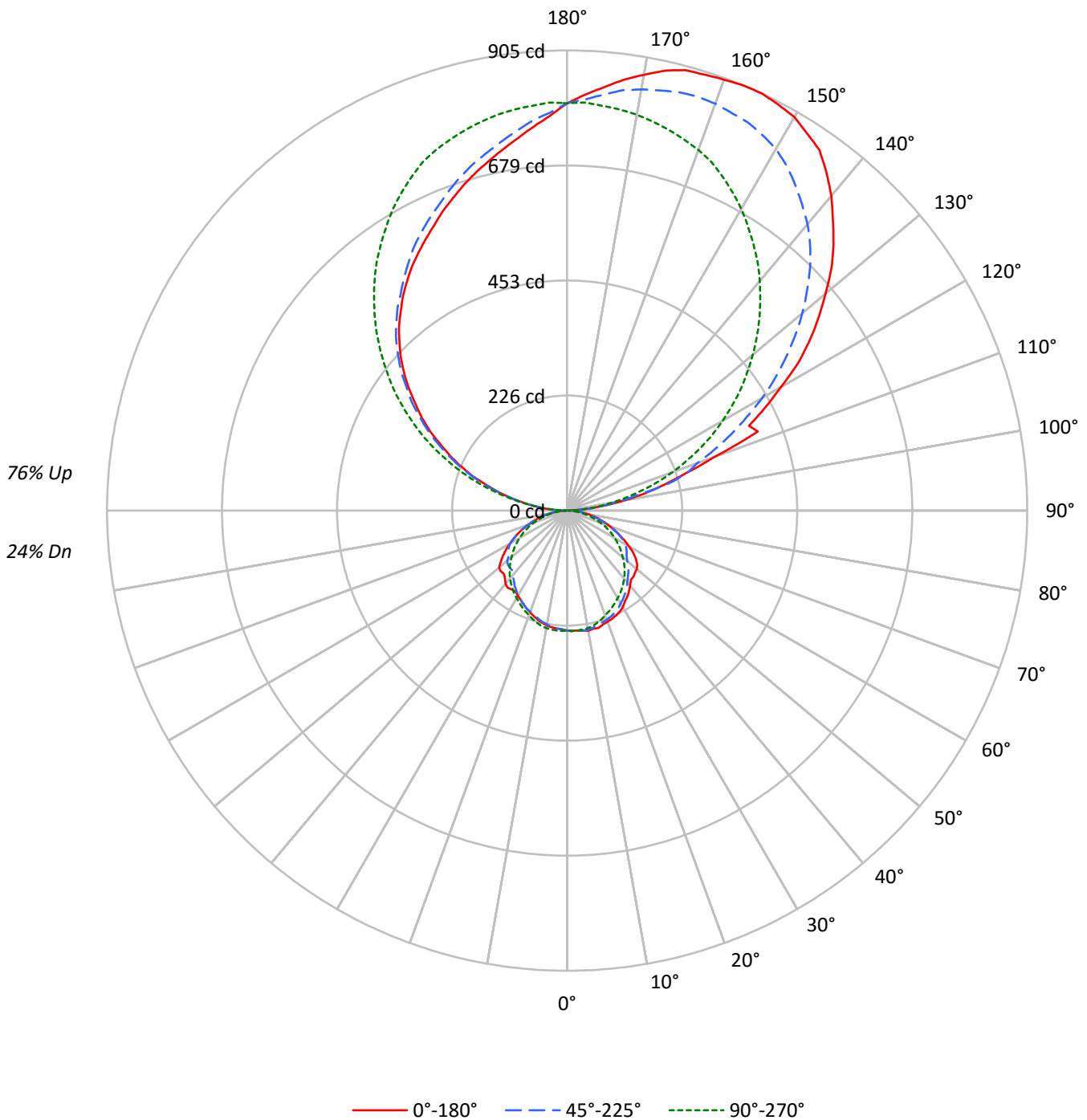
Input Watts (W): 28.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3807	3807	3807
5°	3838	3838	3770
10°	3935	3848	3763
15°	3993	3818	3712
20°	3997	3761	3653
25°	4049	3732	3618
30°	4081	3708	3611
35°	4066	3692	3735
40°	4059	3682	3971
45°	4206	3653	4014
50°	4494	3594	4388
55°	4650	3555	4327
60°	4521	3500	4182
65°	4344	3419	4061
70°	4225	3281	3876
75°	4074	3088	3743
80°	4017	2836	3524
85°	4872	2334	3501



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	0.7
10°-20°	64.5	2.0
20°-30°	98.0	3.1
30°-40°	119.6	3.8
40°-50°	129.9	4.1
50°-60°	126.6	4.0
60°-70°	101.9	3.2
70°-80°	62.6	2.0
80°-90°	22.1	0.7
90°-100°	45.4	1.4
100°-110°	173.9	5.5
110°-120°	306.4	9.7
120°-130°	399.2	12.6
130°-140°	441.0	13.9
140°-150°	421.1	13.3
150°-160°	341.9	10.8
160°-170°	221.1	7.0
170°-180°	76.1	2.4
0°-30°	184.9	5.8
0°-40°	304.5	9.6
0°-60°	561.0	17.7
0°-90°	747.6	23.6
90°-120°	525.8	16.6
90°-150°	1787.1	56.3
90°-180°	2426.0	76.4
0°-180°	3173.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	236	236	236	236	236	
5°	237	238	237	233	233	23
15°	239	234	228	220	222	67
25°	227	221	210	203	203	105
35°	206	199	187	180	190	129
45°	184	170	160	159	176	142
55°	165	143	126	139	154	146
65°	114	113	90	106	106	113
75°	65	63	50	59	60	70
85°	26	23	13	19	19	25
90°	5	4	1	4	2	5
95°	36	38	35	38	41	46
105°	198	208	152	139	139	214
115°	395	357	287	259	253	405
125°	582	525	417	374	363	518
135°	741	676	535	476	466	571
145°	865	782	639	559	549	538
155°	905	842	724	637	619	417
165°	897	852	775	707	689	253
175°	836	821	799	770	758	81
180°	801	801	801	801	801	



TEST NUMBER: P253624

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8
2.5°	236.8	237.9	237.9	236.8	236.8	236.8	233.7	234.7	233.7
5°	236.8	240.0	237.9	237.9	236.8	234.7	232.6	233.7	232.6
7.5°	237.9	240.0	237.9	236.8	235.8	232.6	230.5	230.5	231.6
10°	240.0	240.0	237.9	236.8	234.7	230.5	227.3	227.3	229.5
12.5°	237.9	240.0	235.8	234.7	232.6	228.4	224.2	224.2	226.3
15°	238.9	237.9	233.7	231.6	228.4	225.2	220.0	220.0	222.1
17.5°	234.7	236.8	230.5	228.4	224.2	221.0	215.8	215.8	217.9
20°	232.6	234.7	228.4	224.2	218.9	216.8	211.6	212.6	212.6
22.5°	230.5	231.6	225.2	220.0	214.7	211.6	208.4	208.4	208.4
25°	227.3	227.3	221.0	214.7	209.5	205.2	203.1	203.1	203.1
27.5°	224.2	223.1	216.8	210.5	204.2	200.0	197.9	197.9	197.9
30°	218.9	216.8	210.5	204.2	198.9	194.7	192.6	191.6	193.7
32.5°	211.6	210.5	205.2	198.9	193.7	188.4	186.3	186.3	188.4
35°	206.3	204.2	198.9	192.6	187.3	182.1	180.0	181.0	189.5
37.5°	200.0	197.9	191.6	188.4	181.0	175.8	172.6	182.1	191.6
40°	192.6	191.6	184.2	181.0	174.7	170.5	165.2	183.1	188.4
42.5°	185.2	184.2	176.8	173.7	167.4	163.1	160.0	180.0	181.0
45°	184.2	177.9	170.5	165.2	160.0	155.8	158.9	172.6	175.8
47.5°	181.0	174.7	163.1	156.8	151.6	147.4	157.9	167.4	176.8
50°	178.9	171.6	154.7	149.5	143.1	138.9	153.7	168.4	174.7
52.5°	173.7	168.4	147.4	140.0	134.7	130.5	144.2	164.2	164.2
55°	165.2	162.1	143.1	130.5	126.3	122.1	138.9	152.6	153.7
57.5°	153.7	152.6	137.9	121.0	116.8	113.7	136.8	142.1	142.1
60°	140.0	141.0	131.6	111.6	108.4	106.3	129.5	129.5	129.5
62.5°	127.4	127.4	123.1	103.1	98.9	100.0	117.9	117.9	117.9
65°	113.7	113.7	112.6	93.7	89.5	94.7	106.3	106.3	106.3
67.5°	101.0	101.0	100.0	83.1	80.0	85.3	94.7	93.7	93.7
70°	89.5	89.5	87.4	75.8	69.5	76.8	82.1	83.1	82.1
72.5°	77.9	76.8	74.7	68.4	58.9	70.5	70.5	70.5	69.5
75°	65.3	65.3	63.2	58.9	49.5	58.9	58.9	58.9	60.0
77.5°	54.7	53.7	51.6	47.4	38.9	46.3	47.4	47.4	47.4
80°	43.2	43.2	41.0	35.8	30.5	35.8	35.8	36.8	37.9
82.5°	33.7	33.7	31.6	27.4	21.1	25.3	26.3	27.4	27.4
85°	26.3	26.3	23.2	18.9	12.6	16.8	18.9	20.0	18.9
87.5°	18.9	18.9	16.8	12.6	7.4	10.5	10.5	11.6	10.5
90°	5.3	5.3	4.2	3.2	1.1	3.2	4.2	3.2	2.1
92.5°	9.5	10.5	12.6	14.7	12.6	16.8	21.1	22.1	22.1
95°	35.8	35.8	37.9	36.8	34.7	36.8	37.9	42.1	41.0
97.5°	72.6	71.6	69.5	64.2	61.0	58.9	60.0	62.1	62.1
100°	112.6	110.5	104.2	104.2	88.4	84.2	85.3	85.3	85.3
102.5°	156.8	152.6	142.1	132.6	118.9	114.7	111.6	110.5	110.5
105°	197.9	195.8	208.4	166.3	151.6	144.2	138.9	137.9	138.9
107.5°	246.3	242.1	248.4	205.2	186.3	174.7	169.5	166.3	165.2
110°	308.4	349.4	271.6	245.2	220.0	206.3	200.0	196.8	196.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	406.3	355.8	313.7	284.2	252.6	238.9	229.5	226.3	225.2
115°	394.7	383.1	356.8	324.2	287.3	270.5	258.9	255.8	252.6
117.5°	438.9	429.4	397.9	363.1	321.0	302.1	287.3	284.2	280.0
120°	485.2	474.7	443.1	398.9	352.6	329.4	316.8	313.7	310.5
122.5°	537.8	519.9	485.2	437.9	385.2	357.9	344.2	340.0	337.9
125°	582.0	563.1	525.2	470.5	416.8	385.2	373.6	367.3	363.1
127.5°	623.1	608.4	565.2	506.3	446.3	412.6	397.9	392.6	391.5
130°	663.1	649.4	604.2	542.1	476.8	437.9	426.3	418.9	417.9
132.5°	705.2	685.2	639.9	573.6	506.3	465.2	450.5	444.2	443.1
135°	741.0	724.1	675.7	603.1	534.7	490.5	475.7	468.4	466.3
137.5°	773.6	759.9	707.3	633.6	562.0	517.8	497.8	491.5	489.4
140°	808.3	789.4	735.7	661.0	589.4	545.2	518.9	514.7	509.4
142.5°	837.8	818.9	758.9	689.4	615.7	567.3	537.8	536.8	530.5
145°	865.2	842.0	782.0	714.7	638.9	589.4	558.9	554.7	549.4
147.5°	878.9	862.0	804.1	734.7	662.0	611.5	579.9	574.7	568.4
150°	893.6	874.6	821.0	754.7	685.2	631.5	601.0	591.5	585.2
152.5°	899.9	883.1	832.5	771.5	705.2	651.5	618.9	606.3	602.0
155°	905.2	888.3	842.0	785.2	724.1	670.5	636.8	622.0	618.9
157.5°	905.2	890.4	846.2	795.7	742.0	690.5	653.6	639.9	637.8
160°	902.0	890.4	851.5	803.1	754.7	708.4	672.6	657.8	654.7
162.5°	898.9	889.4	853.6	811.5	765.2	724.1	690.5	676.8	672.6
165°	896.8	887.3	851.5	817.8	774.7	738.9	707.3	694.7	689.4
167.5°	886.2	877.8	846.2	822.0	783.1	753.6	722.0	714.7	705.2
170°	870.4	864.1	841.0	824.1	790.4	764.1	737.8	729.4	722.0
172.5°	854.7	850.4	833.6	823.1	795.7	775.7	753.6	750.5	738.9
175°	835.7	835.7	821.0	816.8	798.9	784.1	770.4	767.3	757.8
177.5°	818.9	821.0	809.4	809.4	803.1	793.6	783.1	786.2	776.8
180°	801.0	801.0	801.0	801.0	801.0	801.0	801.0	801.0	801.0

(END OF REPORT)