

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: P253632

Luminaire Tested: **JW-WL-40L83050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-40L83050-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3766.8 lumens
Efficiency: N/A
Efficacy: 96.1 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

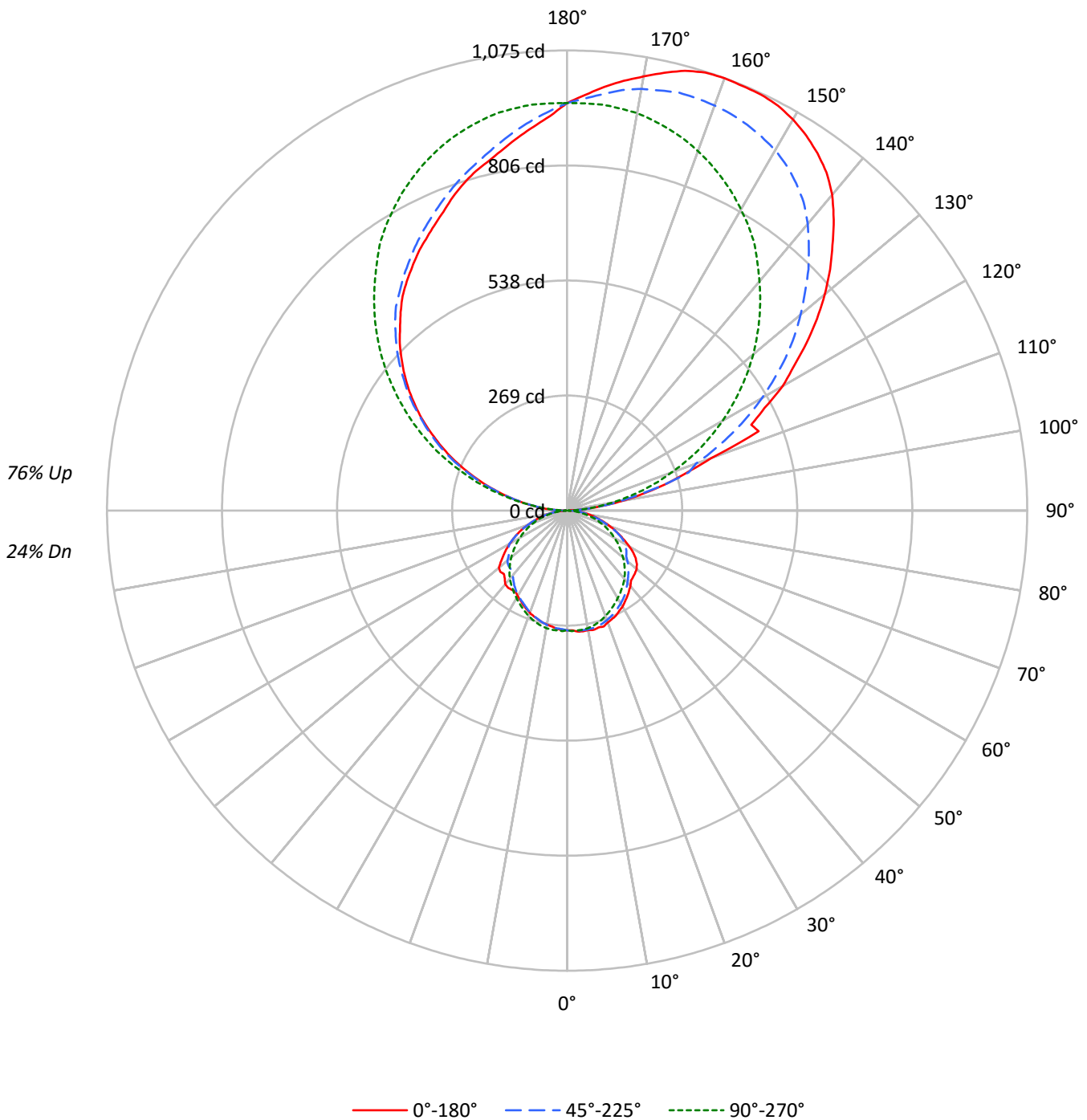
Input Watts (W): 39.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	84	80	81	78	75	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	67	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°	4519	4519	4519
5°	4598	4551	4489
10°	4651	4573	4433
15°	4725	4552	4393
20°	4777	4500	4369
25°	4817	4447	4329
30°	4831	4407	4301
35°	4827	4380	4455
40°	4843	4384	4742
45°	4987	4338	4772
50°	5320	4275	5225
55°	5509	4206	5109
60°	5406	4120	4976
65°	5165	4046	4875
70°	4999	3885	4598
75°	4835	3656	4304
80°	4751	3338	4045
85°	5780	2983	4205



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	0.7
10°-20°	76.8	2.0
20°-30°	116.6	3.1
30°-40°	142.1	3.8
40°-50°	154.4	4.1
50°-60°	150.4	4.0
60°-70°	120.9	3.2
70°-80°	74.2	2.0
80°-90°	26.0	0.7
90°-100°	53.9	1.4
100°-110°	206.4	5.5
110°-120°	363.6	9.7
120°-130°	473.6	12.6
130°-140°	522.6	13.9
140°-150°	499.9	13.3
150°-160°	405.9	10.8
160°-170°	262.3	7.0
170°-180°	90.4	2.4
0°-30°	220.1	5.8
0°-40°	362.2	9.6
0°-60°	667.0	17.7
0°-90°	888.2	23.6
90°-120°	623.9	16.6
90°-150°	2120.0	56.3
90°-180°	2879.0	76.4
0°-180°	3766.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	280	280	280	280	280	
5°	284	282	281	276	277	27
15°	283	279	272	263	263	80
25°	270	263	250	240	243	124
35°	245	236	222	215	226	153
45°	218	202	190	189	209	169
55°	196	169	149	164	182	173
65°	135	134	106	126	128	135
75°	78	75	59	70	69	82
85°	31	27	16	22	23	29
90°	6	6	2	4	3	6
95°	44	44	42	46	50	54
105°	238	236	182	166	164	251
115°	475	424	341	308	303	483
125°	683	623	494	442	436	610
135°	876	797	635	565	553	677
145°	1019	933	762	667	653	637
155°	1072	995	857	754	735	495
165°	1064	1011	922	836	822	301
175°	994	977	952	916	900	96
180°	952	952	952	952	952	



TEST NUMBER: P253632

CATALOG NUMBER: JW-WL-40L83050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9
2.5°	279.9	281.8	280.8	280.8	281.8	279.9	277.0	278.9	279.9
5°	283.7	283.7	281.8	280.8	280.8	278.0	276.1	276.1	277.0
7.5°	284.6	285.5	281.8	280.8	280.8	277.0	275.1	273.2	273.2
10°	283.7	285.5	281.8	279.9	278.9	274.2	271.4	270.4	270.4
12.5°	285.5	284.6	280.8	278.9	276.1	271.4	267.6	266.6	267.6
15°	282.7	284.6	278.9	275.1	272.3	268.5	262.8	262.8	262.8
17.5°	283.7	281.8	276.1	272.3	267.6	263.8	258.1	259.1	259.1
20°	278.0	279.9	272.3	267.6	261.9	258.1	253.4	253.4	254.3
22.5°	274.2	275.1	267.6	262.8	256.2	252.4	246.8	247.7	248.7
25°	270.4	269.5	262.8	257.2	249.6	244.9	240.2	242.0	243.0
27.5°	263.8	263.8	256.2	250.6	243.0	238.3	234.5	236.4	236.4
30°	259.1	257.2	250.6	243.9	236.4	231.6	228.8	228.8	230.7
32.5°	251.5	249.6	243.9	236.4	229.8	224.1	222.2	222.2	224.1
35°	244.9	242.0	236.4	228.8	222.2	216.5	214.6	215.6	226.0
37.5°	237.3	234.5	227.9	221.2	215.6	208.0	206.1	216.5	226.9
40°	229.8	226.9	219.4	213.7	208.0	200.4	197.6	218.4	225.0
42.5°	221.2	219.4	210.8	205.2	199.5	193.8	191.0	214.6	215.6
45°	218.4	210.8	202.3	195.7	190.0	184.4	189.1	205.2	209.0
47.5°	215.6	208.0	194.8	187.2	180.6	174.9	187.2	198.6	211.8
50°	211.8	204.2	183.4	177.8	170.2	166.4	182.5	199.5	208.0
52.5°	205.2	199.5	174.0	167.4	159.8	157.0	172.1	194.8	194.8
55°	195.7	191.0	169.2	157.0	149.4	145.6	164.5	181.5	181.5
57.5°	183.4	180.6	162.6	144.7	139.0	135.2	162.6	168.3	169.2
60°	167.4	166.4	156.0	132.4	127.6	125.8	156.0	154.1	154.1
62.5°	151.3	150.3	146.6	121.0	117.2	119.1	140.9	139.9	140.9
65°	135.2	136.2	134.3	109.7	105.9	111.6	125.8	126.7	127.6
67.5°	121.0	120.1	119.1	97.4	93.6	100.2	112.5	112.5	112.5
70°	105.9	105.0	103.1	89.8	82.3	91.7	97.4	98.3	97.4
72.5°	91.7	90.8	87.9	80.4	71.9	83.2	84.1	83.2	83.2
75°	77.5	77.5	74.7	70.0	58.6	70.0	70.0	70.0	69.0
77.5°	64.3	63.3	60.5	56.7	47.3	55.8	54.8	56.7	56.7
80°	51.1	51.1	49.2	42.5	35.9	42.5	43.5	44.4	43.5
82.5°	40.7	40.7	36.9	31.2	24.6	29.3	31.2	33.1	32.1
85°	31.2	30.3	27.4	21.7	16.1	18.9	21.7	22.7	22.7
87.5°	21.7	21.7	19.9	15.1	7.6	12.3	14.2	13.2	11.3
90°	5.7	5.7	5.7	3.8	1.9	3.8	3.8	3.8	2.8
92.5°	11.3	12.3	15.1	16.1	16.1	19.9	25.5	27.4	26.5
95°	43.5	44.4	43.5	43.5	41.6	42.5	46.3	48.2	50.1
97.5°	85.1	83.2	82.3	79.4	70.9	70.0	70.9	72.8	74.7
100°	131.4	127.6	124.8	125.8	105.0	102.1	100.2	100.2	103.1
102.5°	180.6	182.5	171.1	157.9	142.8	136.2	131.4	132.4	132.4
105°	238.3	230.7	236.4	199.5	181.5	173.0	165.5	165.5	164.5
107.5°	290.3	284.6	297.8	244.9	220.3	210.8	202.3	198.6	197.6
110°	358.3	409.4	320.5	288.4	259.1	246.8	237.3	233.5	232.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	484.1	426.4	371.6	337.5	300.7	283.7	272.3	270.4	266.6
115°	474.6	453.8	423.6	381.0	341.3	320.5	308.2	303.5	302.6
117.5°	520.0	509.6	475.6	427.4	380.1	353.6	342.3	336.6	335.7
120°	581.5	566.4	525.7	471.8	418.9	390.5	375.4	371.6	369.7
122.5°	627.8	619.3	573.9	517.2	456.7	423.6	407.5	403.7	403.7
125°	682.7	672.3	623.1	558.8	494.5	455.7	442.5	436.8	435.9
127.5°	735.6	719.5	669.4	604.2	531.4	488.8	473.7	466.1	467.1
130°	785.7	769.6	712.0	644.8	567.3	520.0	504.9	497.3	496.4
132.5°	833.0	811.2	753.6	681.7	601.3	552.2	537.0	524.8	524.8
135°	876.5	856.6	797.1	714.8	635.4	582.4	565.4	555.0	553.1
137.5°	921.9	894.4	835.8	747.9	667.5	615.5	594.7	583.4	577.7
140°	963.5	933.2	874.6	782.9	698.7	642.9	622.1	609.8	605.1
142.5°	995.6	967.2	907.7	814.1	729.9	672.3	642.9	636.3	631.6
145°	1019.3	996.6	933.2	843.4	762.1	700.6	666.6	660.9	653.3
147.5°	1039.1	1021.1	955.0	869.9	788.5	726.1	688.3	683.6	674.1
150°	1055.2	1035.3	972.0	896.3	812.2	751.7	711.0	703.5	695.9
152.5°	1066.5	1050.5	984.3	919.0	835.8	777.2	732.8	722.4	714.8
155°	1072.2	1056.1	994.7	934.2	856.6	799.9	753.6	743.2	734.7
157.5°	1073.1	1058.0	1002.2	949.3	876.5	818.8	775.3	763.0	755.5
160°	1075.0	1056.1	1007.0	955.9	893.5	840.6	796.1	781.9	780.0
162.5°	1073.1	1051.4	1009.8	963.5	909.6	858.5	816.9	803.7	801.8
165°	1063.7	1045.7	1010.7	969.1	921.9	878.4	835.8	824.5	821.6
167.5°	1047.6	1037.2	1005.1	971.0	933.2	893.5	855.7	845.3	837.7
170°	1029.7	1026.8	1000.3	972.0	942.7	908.6	876.5	866.1	857.6
172.5°	1012.6	1011.7	990.9	971.0	947.4	920.0	897.3	885.9	879.3
175°	993.7	992.8	976.7	969.1	952.1	930.4	916.2	907.7	900.1
177.5°	972.0	973.9	963.5	967.2	952.1	941.7	934.2	929.4	921.9
180°	952.1	952.1	952.1	952.1	952.1	952.1	952.1	952.1	952.1

(END OF REPORT)