

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: P253638

Luminaire Tested: **JW-WL-40L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

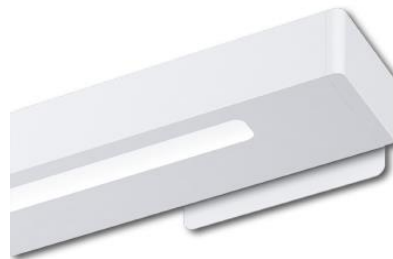
Test Information

Test Method: LM-79-08
Report Number: P253638
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-40L93050-1D-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: 3659.3 lumens
Efficiency: N/A
Efficacy: 90.8 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

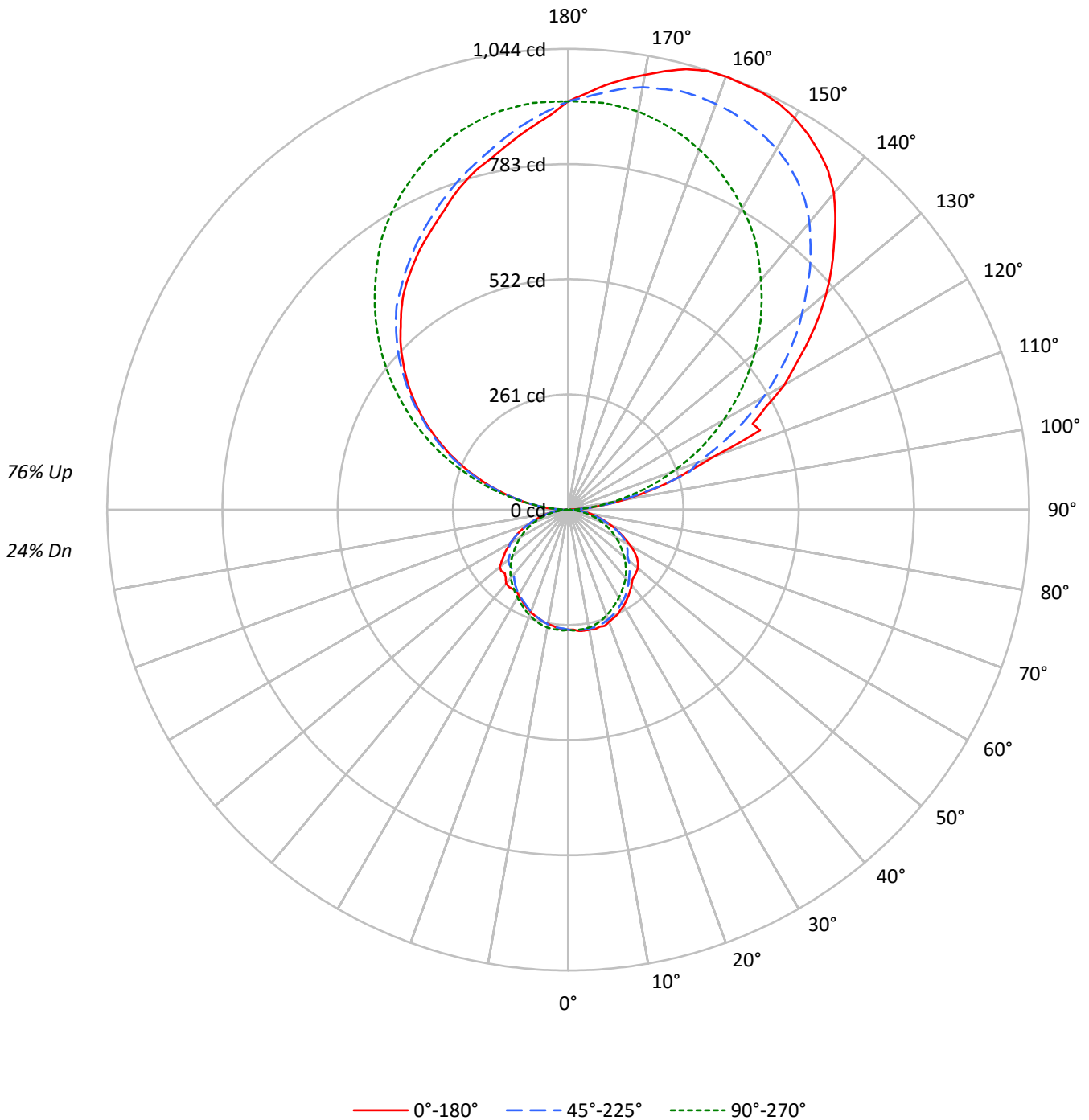
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4390	4390	4390
5°	4467	4421	4361
10°	4518	4443	4307
15°	4590	4421	4267
20°	4639	4371	4246
25°	4680	4320	4206
30°	4693	4281	4178
35°	4689	4255	4326
40°	4704	4260	4607
45°	4845	4215	4635
50°	5167	4152	5076
55°	5351	4084	4966
60°	5251	4004	4834
65°	5016	3931	4737
70°	4858	3772	4466
75°	4697	3550	4186
80°	4612	3245	3933
85°	5613	2890	4076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	0.7
10°-20°	74.7	2.0
20°-30°	113.3	3.1
30°-40°	138.1	3.8
40°-50°	150.0	4.1
50°-60°	146.1	4.0
60°-70°	117.5	3.2
70°-80°	72.1	2.0
80°-90°	25.3	0.7
90°-100°	52.4	1.4
100°-110°	200.5	5.5
110°-120°	353.2	9.7
120°-130°	460.1	12.6
130°-140°	507.7	13.9
140°-150°	485.6	13.3
150°-160°	394.3	10.8
160°-170°	254.8	7.0
170°-180°	87.8	2.4
0°-30°	213.8	5.8
0°-40°	351.9	9.6
0°-60°	648.0	17.7
0°-90°	862.8	23.6
90°-120°	606.1	16.6
90°-150°	2059.5	56.3
90°-180°	2796.0	76.4
0°-180°	3659.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	272	272	272	272	272	
5°	276	274	273	268	269	26
15°	275	271	264	255	255	78
25°	263	255	242	233	236	121
35°	238	230	216	208	220	149
45°	212	197	185	184	203	165
55°	190	164	145	160	176	168
65°	131	130	103	122	124	131
75°	75	73	57	68	67	80
85°	30	27	16	21	22	29
90°	6	6	2	4	3	6
95°	42	42	40	45	49	53
105°	232	230	176	161	160	244
115°	461	412	332	299	294	469
125°	663	605	480	430	423	593
135°	852	774	617	549	537	658
145°	990	907	740	648	635	619
155°	1042	966	832	732	714	481
165°	1033	982	896	812	798	292
175°	965	949	925	890	874	93
180°	925	925	925	925	925	



TEST NUMBER: P253638

CATALOG NUMBER: JW-WL-40L93050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9
2.5°	271.9	273.7	272.8	272.8	273.7	271.9	269.1	271.0	271.9
5°	275.6	275.6	273.7	272.8	272.8	270.0	268.2	268.2	269.1
7.5°	276.5	277.4	273.7	272.8	272.8	269.1	267.3	265.4	265.4
10°	275.6	277.4	273.7	271.9	271.0	266.4	263.6	262.7	262.7
12.5°	277.4	276.5	272.8	271.0	268.2	263.6	259.9	259.0	259.9
15°	274.6	276.5	271.0	267.3	264.5	260.9	255.3	255.3	255.3
17.5°	275.6	273.7	268.2	264.5	259.9	256.3	250.8	251.7	251.7
20°	270.0	271.9	264.5	259.9	254.4	250.8	246.2	246.2	247.1
22.5°	266.4	267.3	259.9	255.3	248.9	245.2	239.7	240.7	241.6
25°	262.7	261.8	255.3	249.8	242.5	237.9	233.3	235.1	236.1
27.5°	256.3	256.3	248.9	243.4	236.1	231.5	227.8	229.6	229.6
30°	251.7	249.8	243.4	237.0	229.6	225.0	222.3	222.3	224.1
32.5°	244.3	242.5	237.0	229.6	223.2	217.7	215.9	215.9	217.7
35°	237.9	235.1	229.6	222.3	215.9	210.3	208.5	209.4	219.5
37.5°	230.5	227.8	221.4	214.9	209.4	202.1	200.2	210.3	220.4
40°	223.2	220.4	213.1	207.6	202.1	194.7	192.0	212.2	218.6
42.5°	214.9	213.1	204.8	199.3	193.8	188.3	185.5	208.5	209.4
45°	212.2	204.8	196.6	190.1	184.6	179.1	183.7	199.3	203.0
47.5°	209.4	202.1	189.2	181.9	175.4	169.9	181.9	192.9	205.7
50°	205.7	198.4	178.2	172.7	165.3	161.7	177.3	193.8	202.1
52.5°	199.3	193.8	169.0	162.6	155.2	152.5	167.2	189.2	189.2
55°	190.1	185.5	164.4	152.5	145.1	141.5	159.8	176.4	176.4
57.5°	178.2	175.4	158.0	140.5	135.0	131.3	158.0	163.5	164.4
60°	162.6	161.7	151.6	128.6	124.0	122.2	151.6	149.7	149.7
62.5°	147.0	146.0	142.4	117.6	113.9	115.7	136.9	135.9	136.9
65°	131.3	132.3	130.4	106.5	102.9	108.4	122.2	123.1	124.0
67.5°	117.6	116.7	115.7	94.6	90.9	97.4	109.3	109.3	109.3
70°	102.9	102.0	100.1	87.3	79.9	89.1	94.6	95.5	94.6
72.5°	89.1	88.2	85.4	78.1	69.8	80.8	81.7	80.8	80.8
75°	75.3	75.3	72.6	68.0	56.9	68.0	68.0	68.0	67.1
77.5°	62.5	61.5	58.8	55.1	45.9	54.2	53.3	55.1	55.1
80°	49.6	49.6	47.8	41.3	34.9	41.3	42.3	43.2	42.3
82.5°	39.5	39.5	35.8	30.3	23.9	28.5	30.3	32.1	31.2
85°	30.3	29.4	26.6	21.1	15.6	18.4	21.1	22.0	22.0
87.5°	21.1	21.1	19.3	14.7	7.3	11.9	13.8	12.9	11.0
90°	5.5	5.5	5.5	3.7	1.8	3.7	3.7	3.7	2.8
92.5°	11.0	11.9	14.7	15.6	15.6	19.3	24.8	26.6	25.7
95°	42.3	43.2	42.3	42.3	40.4	41.3	45.0	46.8	48.7
97.5°	82.7	80.8	79.9	77.2	68.9	68.0	68.9	70.7	72.6
100°	127.7	124.0	121.2	122.2	102.0	99.2	97.4	97.4	100.1
102.5°	175.4	177.3	166.3	153.4	138.7	132.3	127.7	128.6	128.6
105°	231.5	224.1	229.6	193.8	176.4	168.1	160.7	160.7	159.8
107.5°	282.0	276.5	289.3	237.9	214.0	204.8	196.6	192.9	192.0
110°	348.1	397.7	311.4	280.1	251.7	239.7	230.5	226.9	226.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	470.3	414.2	361.0	327.9	292.1	275.6	264.5	262.7	259.0
115°	461.1	440.9	411.5	370.2	331.6	311.4	299.4	294.8	293.9
117.5°	505.2	495.1	462.0	415.2	369.2	343.5	332.5	327.0	326.1
120°	564.9	550.2	510.7	458.3	406.9	379.3	364.6	361.0	359.1
122.5°	609.9	601.6	557.5	502.4	443.6	411.5	395.9	392.2	392.2
125°	663.2	653.1	605.3	542.8	480.4	442.7	429.9	424.4	423.4
127.5°	714.6	699.0	650.3	586.9	516.2	474.9	460.2	452.8	453.7
130°	763.3	747.7	691.6	626.4	551.1	505.2	490.5	483.1	482.2
132.5°	809.2	788.1	732.1	662.2	584.2	536.4	521.7	509.8	509.8
135°	851.5	832.2	774.3	694.4	617.2	565.8	549.3	539.2	537.3
137.5°	895.5	868.9	812.0	726.5	648.5	598.0	577.7	566.7	561.2
140°	936.0	906.6	849.6	760.5	678.8	624.6	604.4	592.4	587.8
142.5°	967.2	939.6	881.8	790.8	709.1	653.1	624.6	618.2	613.6
145°	990.2	968.1	906.6	819.3	740.3	680.6	647.6	642.0	634.7
147.5°	1009.4	992.0	927.7	845.0	766.0	705.4	668.7	664.1	654.9
150°	1025.1	1005.8	944.2	870.7	789.0	730.2	690.7	683.4	676.0
152.5°	1036.1	1020.5	956.2	892.8	812.0	755.0	711.8	701.7	694.4
155°	1041.6	1026.0	966.3	907.5	832.2	777.1	732.1	722.0	713.7
157.5°	1042.5	1027.8	973.6	922.2	851.5	795.4	753.2	741.2	733.9
160°	1044.3	1026.0	978.2	928.6	868.0	816.6	773.4	759.6	757.8
162.5°	1042.5	1021.4	981.0	936.0	883.6	834.0	793.6	780.7	778.9
165°	1033.3	1015.9	981.9	941.5	895.5	853.3	812.0	800.9	798.2
167.5°	1017.7	1007.6	976.4	943.3	906.6	868.0	831.3	821.1	813.8
170°	1000.3	997.5	971.8	944.2	915.8	882.7	851.5	841.4	833.1
172.5°	983.7	982.8	962.6	943.3	920.3	893.7	871.7	860.6	854.2
175°	965.4	964.4	948.8	941.5	924.9	903.8	890.0	881.8	874.4
177.5°	944.2	946.1	936.0	939.6	924.9	914.8	907.5	902.9	895.5
180°	924.9	924.9	924.9	924.9	924.9	924.9	924.9	924.9	924.9

(END OF REPORT)