

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: P253639

Luminaire Tested: **JW-WL-40L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

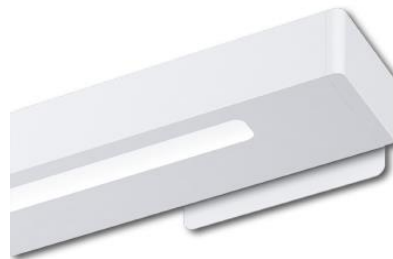
Test Information

Test Method: LM-79-08
Report Number: P253639
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 (4500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3720.9 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

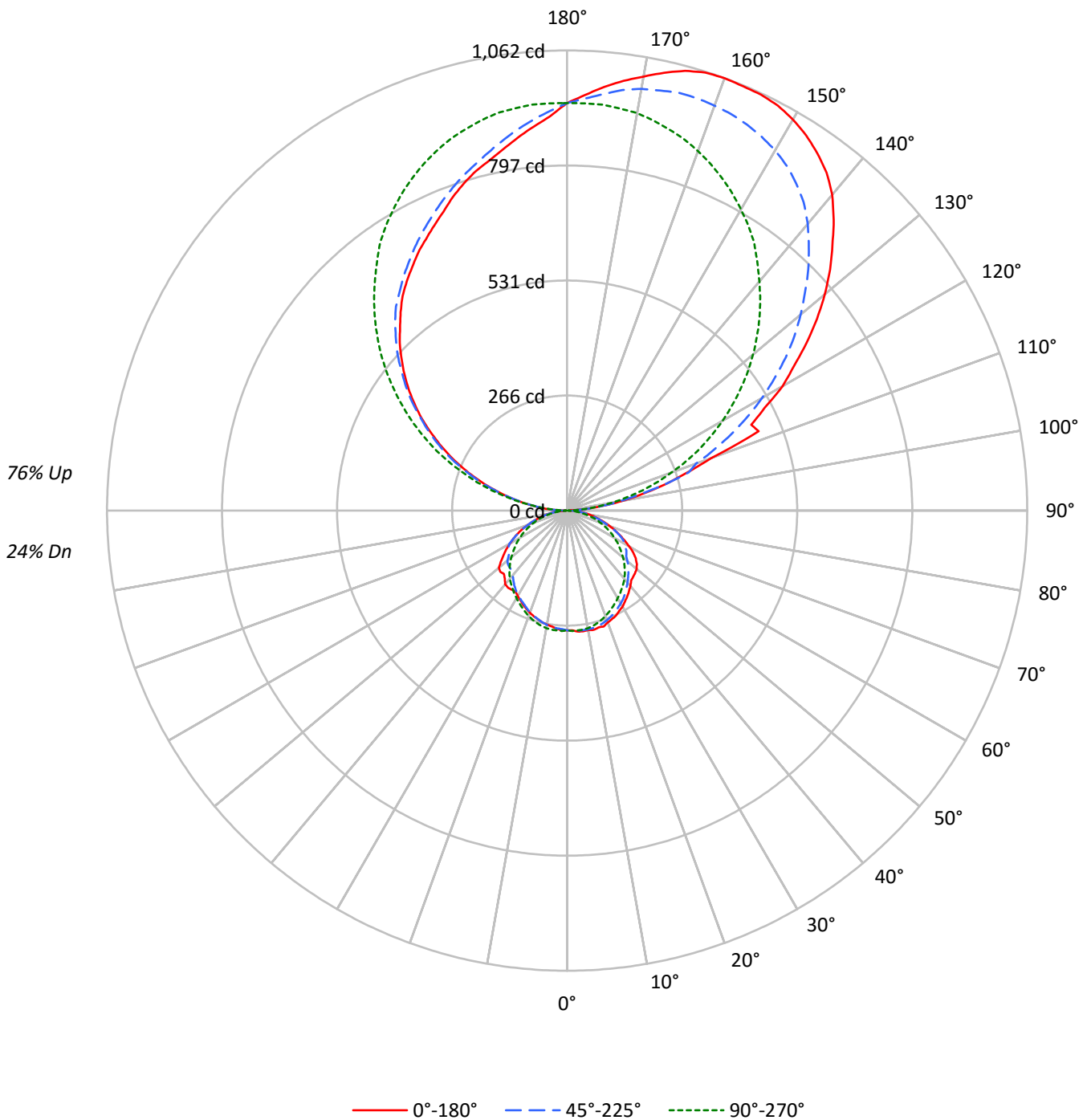
Input Watts (W): 41
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4464	4464	4464
5°	4541	4496	4436
10°	4594	4517	4379
15°	4669	4496	4339
20°	4718	4445	4316
25°	4758	4393	4276
30°	4771	4353	4249
35°	4768	4326	4399
40°	4784	4331	4685
45°	4928	4286	4713
50°	5255	4222	5162
55°	5441	4155	5047
60°	5338	4072	4915
65°	5104	3996	4818
70°	4938	3838	4541
75°	4779	3612	4255
80°	4686	3301	3998
85°	5706	2946	4150



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	0.7
10°-20°	75.9	2.0
20°-30°	115.2	3.1
30°-40°	140.4	3.8
40°-50°	152.5	4.1
50°-60°	148.6	4.0
60°-70°	119.5	3.2
70°-80°	73.3	2.0
80°-90°	25.7	0.7
90°-100°	53.2	1.4
100°-110°	203.9	5.5
110°-120°	359.2	9.7
120°-130°	467.9	12.6
130°-140°	516.3	13.9
140°-150°	493.8	13.3
150°-160°	401.0	10.8
160°-170°	259.1	7.0
170°-180°	89.3	2.4
0°-30°	217.4	5.8
0°-40°	357.8	9.6
0°-60°	658.9	17.7
0°-90°	877.4	23.6
90°-120°	616.3	16.6
90°-150°	2094.2	56.3
90°-180°	2844.0	76.4
0°-180°	3720.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	276	276	276	276	276	
5°	280	278	277	273	274	27
15°	279	276	269	260	260	79
25°	267	260	247	237	240	123
35°	242	234	220	212	223	151
45°	216	200	188	187	206	167
55°	193	167	148	162	179	171
65°	134	133	105	124	126	133
75°	77	74	58	69	68	81
85°	31	27	16	22	22	29
90°	6	6	2	4	3	6
95°	43	43	41	46	50	54
105°	235	234	179	163	162	248
115°	469	418	337	304	299	477
125°	674	616	488	437	431	603
135°	866	787	628	558	546	669
145°	1007	922	753	658	645	629
155°	1059	983	846	744	726	489
165°	1051	998	911	826	812	297
175°	982	965	940	905	889	95
180°	940	940	940	940	940	



TEST NUMBER: P253639

CATALOG NUMBER: JW-WL-40L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	276.5	276.5	276.5	276.5	276.5	276.5	276.5	276.5	276.5
2.5°	276.5	278.3	277.4	277.4	278.3	276.5	273.7	275.5	276.5
5°	280.2	280.2	278.3	277.4	277.4	274.6	272.7	272.7	273.7
7.5°	281.1	282.1	278.3	277.4	277.4	273.7	271.8	269.9	269.9
10°	280.2	282.1	278.3	276.5	275.5	270.9	268.1	267.1	267.1
12.5°	282.1	281.1	277.4	275.5	272.7	268.1	264.3	263.4	264.3
15°	279.3	281.1	275.5	271.8	269.0	265.3	259.6	259.6	259.6
17.5°	280.2	278.3	272.7	269.0	264.3	260.6	255.0	255.9	255.9
20°	274.6	276.5	269.0	264.3	258.7	255.0	250.3	250.3	251.2
22.5°	270.9	271.8	264.3	259.6	253.1	249.4	243.8	244.7	245.6
25°	267.1	266.2	259.6	254.0	246.6	241.9	237.2	239.1	240.0
27.5°	260.6	260.6	253.1	247.5	240.0	235.4	231.6	233.5	233.5
30°	255.9	254.0	247.5	241.0	233.5	228.8	226.0	226.0	227.9
32.5°	248.4	246.6	241.0	233.5	227.0	221.4	219.5	219.5	221.4
35°	241.9	239.1	233.5	226.0	219.5	213.9	212.0	212.9	223.2
37.5°	234.4	231.6	225.1	218.6	212.9	205.5	203.6	213.9	224.2
40°	227.0	224.2	216.7	211.1	205.5	198.0	195.2	215.8	222.3
42.5°	218.6	216.7	208.3	202.7	197.1	191.5	188.7	212.0	212.9
45°	215.8	208.3	199.9	193.3	187.7	182.1	186.8	202.7	206.4
47.5°	212.9	205.5	192.4	184.9	178.4	172.8	184.9	196.1	209.2
50°	209.2	201.7	181.2	175.6	168.1	164.4	180.3	197.1	205.5
52.5°	202.7	197.1	171.9	165.3	157.8	155.0	170.0	192.4	192.4
55°	193.3	188.7	167.2	155.0	147.6	143.8	162.5	179.3	179.3
57.5°	181.2	178.4	160.6	142.9	137.3	133.6	160.6	166.2	167.2
60°	165.3	164.4	154.1	130.8	126.1	124.2	154.1	152.2	152.2
62.5°	149.4	148.5	144.8	119.6	115.8	117.7	139.2	138.2	139.2
65°	133.6	134.5	132.6	108.3	104.6	110.2	124.2	125.2	126.1
67.5°	119.6	118.6	117.7	96.2	92.5	99.0	111.1	111.1	111.1
70°	104.6	103.7	101.8	88.7	81.3	90.6	96.2	97.1	96.2
72.5°	90.6	89.7	86.9	79.4	71.0	82.2	83.1	82.2	82.2
75°	76.6	76.6	73.8	69.1	57.9	69.1	69.1	69.1	68.2
77.5°	63.5	62.6	59.8	56.0	46.7	55.1	54.2	56.0	56.0
80°	50.4	50.4	48.6	42.0	35.5	42.0	43.0	43.9	43.0
82.5°	40.2	40.2	36.4	30.8	24.3	29.0	30.8	32.7	31.8
85°	30.8	29.9	27.1	21.5	15.9	18.7	21.5	22.4	22.4
87.5°	21.5	21.5	19.6	14.9	7.5	12.1	14.0	13.1	11.2
90°	5.6	5.6	5.6	3.7	1.9	3.7	3.7	3.7	2.8
92.5°	11.2	12.1	14.9	15.9	15.9	19.6	25.2	27.1	26.2
95°	43.0	43.9	43.0	43.0	41.1	42.0	45.8	47.6	49.5
97.5°	84.1	82.2	81.3	78.5	70.0	69.1	70.0	71.9	73.8
100°	129.8	126.1	123.3	124.2	103.7	100.9	99.0	99.0	101.8
102.5°	178.4	180.3	169.1	156.0	141.0	134.5	129.8	130.8	130.8
105°	235.4	227.9	233.5	197.1	179.3	170.9	163.4	163.4	162.5
107.5°	286.7	281.1	294.2	241.9	217.6	208.3	199.9	196.1	195.2
110°	354.0	404.4	316.6	284.9	255.9	243.8	234.4	230.7	229.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	478.2	421.2	367.1	333.4	297.0	280.2	269.0	267.1	263.4
115°	468.9	448.3	418.4	376.4	337.2	316.6	304.5	299.8	298.9
117.5°	513.7	503.4	469.8	422.2	375.5	349.3	338.1	332.5	331.6
120°	574.4	559.5	519.3	466.1	413.8	385.7	370.8	367.1	365.2
122.5°	620.2	611.8	566.9	510.9	451.1	418.4	402.5	398.8	398.8
125°	674.3	664.1	615.5	552.0	488.5	450.2	437.1	431.5	430.6
127.5°	726.6	710.8	661.3	596.8	524.9	482.9	467.9	460.5	461.4
130°	776.1	760.3	703.3	637.0	560.4	513.7	498.7	491.3	490.3
132.5°	822.8	801.4	744.4	673.4	594.0	545.4	530.5	518.4	518.4
135°	865.8	846.2	787.4	706.1	627.6	575.3	558.5	548.3	546.4
137.5°	910.6	883.6	825.6	738.8	659.4	608.0	587.5	576.3	570.7
140°	951.7	921.8	863.9	773.3	690.2	635.1	614.6	602.4	597.8
142.5°	983.5	955.5	896.6	804.2	721.0	664.1	635.1	628.6	623.9
145°	1006.8	984.4	921.8	833.1	752.8	692.1	658.5	652.9	645.4
147.5°	1026.5	1008.7	943.3	859.3	778.9	717.3	679.9	675.3	665.9
150°	1042.3	1022.7	960.1	885.4	802.3	742.5	702.4	694.9	687.4
152.5°	1053.5	1037.7	972.3	907.8	825.6	767.7	723.8	713.6	706.1
155°	1059.1	1043.3	982.6	922.8	846.2	790.2	744.4	734.1	725.7
157.5°	1060.1	1045.1	990.0	937.7	865.8	808.8	765.9	753.7	746.3
160°	1061.9	1043.3	994.7	944.3	882.6	830.3	786.4	772.4	770.5
162.5°	1060.1	1038.6	997.5	951.7	898.5	848.1	807.0	793.9	792.0
165°	1050.7	1033.0	998.4	957.3	910.6	867.7	825.6	814.4	811.6
167.5°	1034.9	1024.6	992.8	959.2	921.8	882.6	845.3	835.0	827.5
170°	1017.1	1014.3	988.2	960.1	931.2	897.6	865.8	855.5	847.1
172.5°	1000.3	999.4	978.8	959.2	935.9	908.8	886.4	875.1	868.6
175°	981.6	980.7	964.8	957.3	940.5	919.0	905.0	896.6	889.2
177.5°	960.1	962.0	951.7	955.5	940.5	930.3	922.8	918.1	910.6
180°	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5	940.5

(END OF REPORT)