

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: P253640

Luminaire Tested: **JW-WL-40L93050-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253640
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 (5000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3720.2 lumens
Efficiency: N/A
Efficacy: 90.7 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

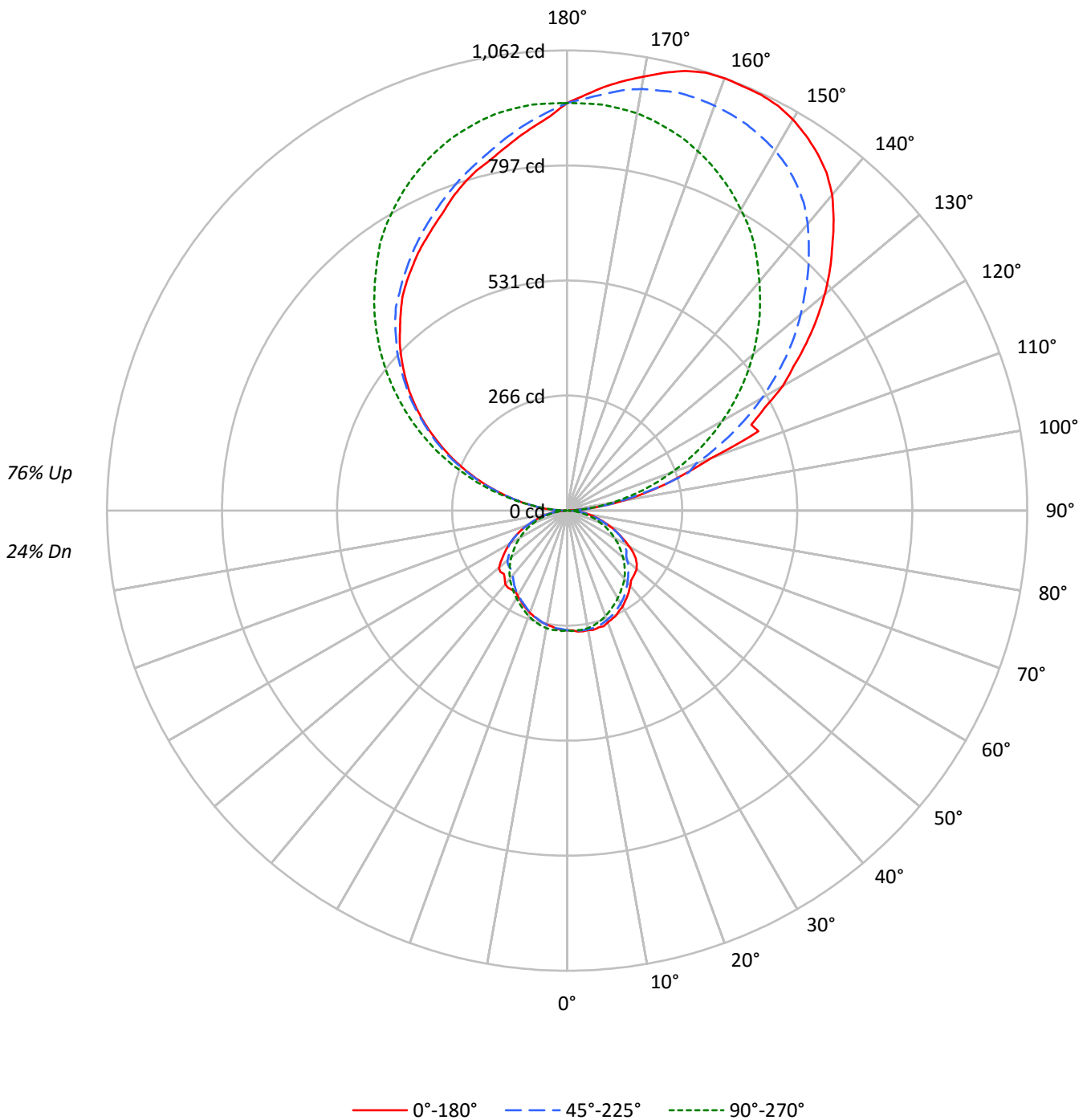
Input Watts (W): 41
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	84	80	81	78	75	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	67	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°	4463	4463	4463
5°	4540	4494	4434
10°	4592	4517	4379
15°	4667	4495	4339
20°	4716	4445	4316
25°	4758	4391	4276
30°	4771	4353	4249
35°	4768	4324	4399
40°	4782	4329	4683
45°	4925	4286	4713
50°	5255	4222	5159
55°	5441	4152	5047
60°	5338	4072	4915
65°	5100	3996	4818
70°	4938	3833	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°	119.4	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°	359.1	9.7
120°-130°	467.8	12.6
130°-140°	516.2	13.9
140°-150°	493.7	13.3
150°-160°	400.9	10.8
160°-170°	259.0	7.0
170°-180°	89.3	2.4
0°-30°	217.4	5.8
0°-40°	357.7	9.6
0°-60°	658.8	17.7
0°-90°	877.2	23.6
90°-120°	616.2	16.6
90°-150°	2093.9	56.3
90°-180°	2843.0	76.4
0°-180°	3720.2	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	246	237	240	123
35°	242	234	219	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	615	488	437	430	603
135°	866	787	628	558	546	669
145°	1007	922	753	658	645	629
155°	1059	982	846	744	726	489
165°	1050	998	910	826	812	297
175°	981	965	940	905	889	95
180°	940	940	940	940	940	



TEST NUMBER: P253640

CATALOG NUMBER: JW-WL-40L93050-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	276.4	276.4	276.4	276.4	276.4	276.4	276.4	276.4	276.4
2.5°	276.4	278.3	277.3	277.3	278.3	276.4	273.6	275.5	276.4
5°	280.1	280.1	278.3	277.3	277.3	274.5	272.7	272.7	273.6
7.5°	281.1	282.0	278.3	277.3	277.3	273.6	271.7	269.9	269.9
10°	280.1	282.0	278.3	276.4	275.5	270.8	268.0	267.1	267.1
12.5°	282.0	281.1	277.3	275.5	272.7	268.0	264.3	263.3	264.3
15°	279.2	281.1	275.5	271.7	268.9	265.2	259.6	259.6	259.6
17.5°	280.1	278.3	272.7	268.9	264.3	260.5	254.9	255.9	255.9
20°	274.5	276.4	268.9	264.3	258.7	254.9	250.3	250.3	251.2
22.5°	270.8	271.7	264.3	259.6	253.1	249.3	243.7	244.7	245.6
25°	267.1	266.1	259.6	254.0	246.5	241.9	237.2	239.1	240.0
27.5°	260.5	260.5	253.1	247.5	240.0	235.3	231.6	233.5	233.5
30°	255.9	254.0	247.5	240.9	233.5	228.8	226.0	226.0	227.9
32.5°	248.4	246.5	240.9	233.5	226.9	221.3	219.4	219.4	221.3
35°	241.9	239.1	233.5	226.0	219.4	213.8	212.0	212.9	223.2
37.5°	234.4	231.6	225.1	218.5	212.9	205.4	203.6	213.8	224.1
40°	226.9	224.1	216.6	211.0	205.4	198.0	195.2	215.7	222.2
42.5°	218.5	216.6	208.2	202.6	197.0	191.4	188.6	212.0	212.9
45°	215.7	208.2	199.8	193.3	187.7	182.1	186.8	202.6	206.4
47.5°	212.9	205.4	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	180.2	197.0	205.4
52.5°	202.6	197.0	171.8	165.3	157.8	155.0	170.0	192.4	192.4
55°	193.3	188.6	167.2	155.0	147.5	143.8	162.5	179.3	179.3
57.5°	181.2	178.4	160.6	142.9	137.3	133.5	160.6	166.2	167.2
60°	165.3	164.4	154.1	130.7	126.1	124.2	154.1	152.2	152.2
62.5°	149.4	148.5	144.7	119.5	115.8	117.7	139.1	138.2	139.1
65°	133.5	134.5	132.6	108.3	104.6	110.2	124.2	125.1	126.1
67.5°	119.5	118.6	117.7	96.2	92.4	99.0	111.1	111.1	111.1
70°	104.6	103.7	101.8	88.7	81.2	90.6	96.2	97.1	96.2
72.5°	90.6	89.6	86.8	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	28.9	30.8	32.7	31.7
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	26.1
95°	43.0	43.9	43.0	43.0	41.1	42.0	45.8	47.6	49.5
97.5°	84.0	82.2	81.2	78.4	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	180.2	169.0	155.9	141.0	134.5	129.8	130.7	130.7
105°	235.3	227.9	233.5	197.0	179.3	170.9	163.4	163.4	162.5
107.5°	286.7	281.1	294.2	241.9	217.6	208.2	199.8	196.1	195.2
110°	353.9	404.3	316.6	284.8	255.9	243.7	234.4	230.7	229.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	478.1	421.2	367.0	333.4	297.0	280.1	268.9	267.1	263.3
115°	468.8	448.2	418.4	376.3	337.1	316.6	304.4	299.8	298.8
117.5°	513.6	503.3	469.7	422.1	375.4	349.2	338.0	332.4	331.5
120°	574.3	559.4	519.2	466.0	413.7	385.7	370.7	367.0	365.1
122.5°	620.1	611.7	566.8	510.8	451.0	418.4	402.5	398.7	398.7
125°	674.2	663.9	615.4	551.9	488.4	450.1	437.0	431.4	430.5
127.5°	726.5	710.6	661.1	596.7	524.8	482.8	467.8	460.4	461.3
130°	776.0	760.1	703.2	636.9	560.3	513.6	498.7	491.2	490.3
132.5°	822.7	801.2	744.3	673.3	593.9	545.3	530.4	518.3	518.3
135°	865.6	846.0	787.2	706.0	627.5	575.2	558.4	548.2	546.3
137.5°	910.5	883.4	825.5	738.6	659.3	607.9	587.4	576.2	570.6
140°	951.6	921.7	863.8	773.2	690.1	635.0	614.5	602.3	597.6
142.5°	983.3	955.3	896.5	804.0	720.9	663.9	635.0	628.5	623.8
145°	1006.7	984.2	921.7	833.0	752.7	692.0	658.3	652.7	645.3
147.5°	1026.3	1008.5	943.2	859.1	778.8	717.2	679.8	675.2	665.8
150°	1042.1	1022.5	960.0	885.3	802.1	742.4	702.2	694.8	687.3
152.5°	1053.3	1037.5	972.1	907.7	825.5	767.6	723.7	713.4	706.0
155°	1058.9	1043.1	982.4	922.6	846.0	790.0	744.3	734.0	725.6
157.5°	1059.9	1044.9	989.8	937.6	865.6	808.7	765.7	753.6	746.1
160°	1061.8	1043.1	994.5	944.1	882.5	830.2	786.3	772.3	770.4
162.5°	1059.9	1038.4	997.3	951.6	898.3	847.9	806.8	793.7	791.9
165°	1050.5	1032.8	998.3	957.2	910.5	867.5	825.5	814.3	811.5
167.5°	1034.7	1024.4	992.6	959.0	921.7	882.5	845.1	834.8	827.4
170°	1016.9	1014.1	988.0	960.0	931.0	897.4	865.6	855.4	847.0
172.5°	1000.1	999.2	978.6	959.0	935.7	908.6	886.2	875.0	868.5
175°	981.4	980.5	964.6	957.2	940.4	918.9	904.9	896.5	889.0
177.5°	960.0	961.8	951.6	955.3	940.4	930.1	922.6	917.9	910.5
180°	940.4	940.4	940.4	940.4	940.4	940.4	940.4	940.4	940.4

(END OF REPORT)