

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: P253636

Luminaire Tested: **JW-WL-40L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253636
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 (3000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3100.8 lumens
Efficiency: N/A
Efficacy: 77.1 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

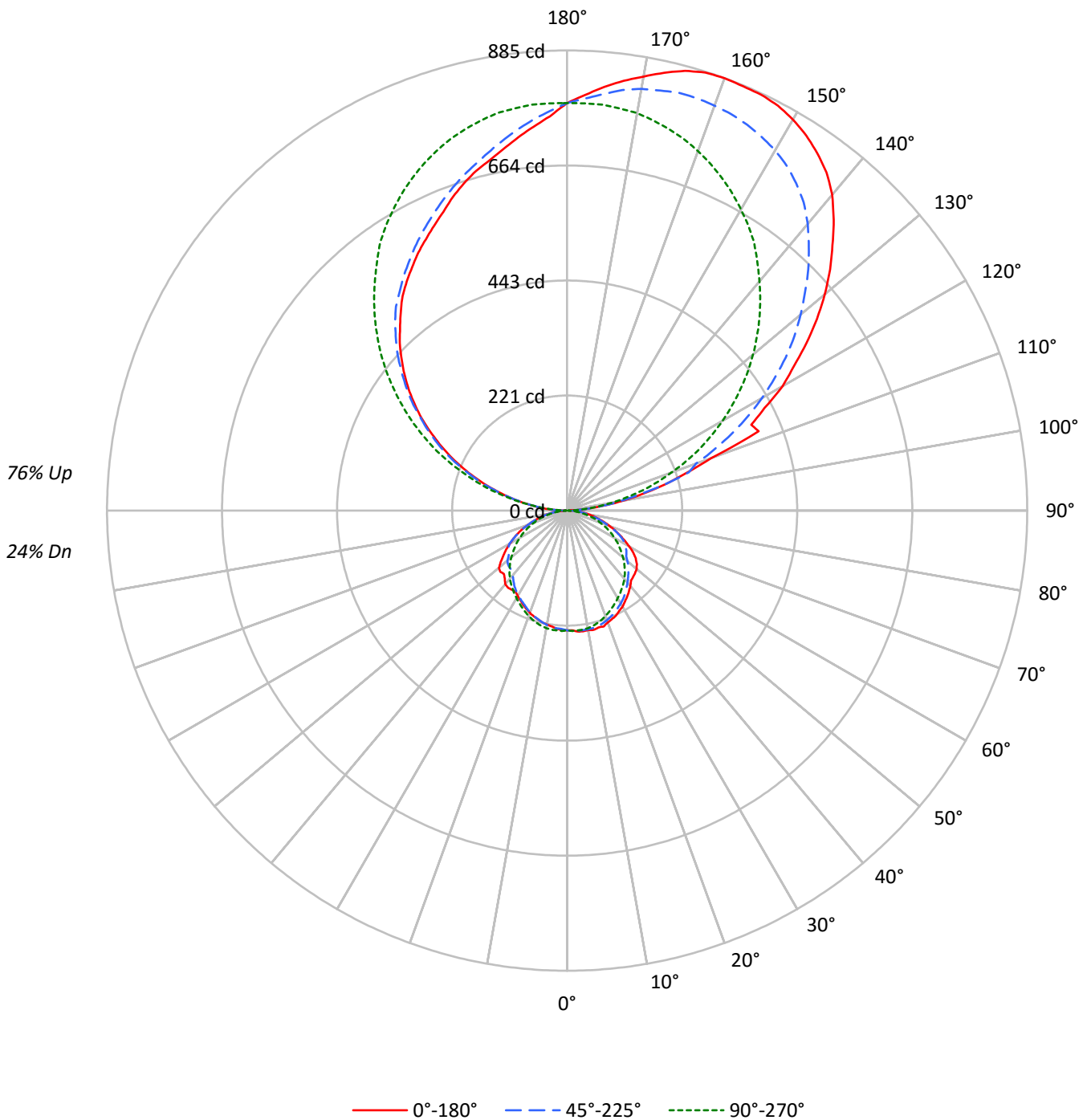
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3720	3720	3720
5°	3784	3747	3695
10°	3828	3764	3650
15°	3890	3748	3617
20°	3931	3704	3598
25°	3966	3661	3563
30°	3977	3628	3540
35°	3974	3605	3666
40°	3986	3608	3903
45°	4105	3571	3927
50°	4378	3519	4300
55°	4535	3462	4206
60°	4450	3394	4098
65°	4252	3331	4015
70°	4116	3196	3786
75°	3980	3013	3543
80°	3905	2752	3329
85°	4761	2445	3464



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	0.7
10°-20°	63.3	2.0
20°-30°	96.0	3.1
30°-40°	117.0	3.8
40°-50°	127.1	4.1
50°-60°	123.8	4.0
60°-70°	99.5	3.2
70°-80°	61.1	2.0
80°-90°	21.4	0.7
90°-100°	44.4	1.4
100°-110°	169.9	5.5
110°-120°	299.3	9.7
120°-130°	389.9	12.6
130°-140°	430.2	13.9
140°-150°	411.5	13.3
150°-160°	334.1	10.8
160°-170°	215.9	7.0
170°-180°	74.4	2.4
0°-30°	181.2	5.8
0°-40°	298.2	9.6
0°-60°	549.1	17.7
0°-90°	731.2	23.6
90°-120°	513.6	16.6
90°-150°	1745.2	56.3
90°-180°	2370.0	76.4
0°-180°	3100.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	230	230	230	230	230	
5°	234	232	231	227	228	22
15°	233	230	224	216	216	66
25°	223	216	206	198	200	102
35°	202	195	183	177	186	126
45°	180	167	156	156	172	139
55°	161	139	123	135	149	143
65°	111	110	87	104	105	111
75°	64	62	48	58	57	68
85°	26	23	13	18	19	24
90°	5	5	2	3	2	5
95°	36	36	34	38	41	45
105°	196	195	149	136	135	207
115°	391	349	281	254	249	397
125°	562	513	407	364	359	502
135°	722	656	523	465	455	557
145°	839	768	627	549	538	524
155°	883	819	705	620	605	407
165°	876	832	759	688	676	248
175°	818	804	784	754	741	79
180°	784	784	784	784	784	



TEST NUMBER: P253636

CATALOG NUMBER: JW-WL-40L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4
2.5°	230.4	231.9	231.2	231.2	231.9	230.4	228.0	229.6	230.4
5°	233.5	233.5	231.9	231.2	231.2	228.8	227.3	227.3	228.0
7.5°	234.3	235.1	231.9	231.2	231.2	228.0	226.5	224.9	224.9
10°	233.5	235.1	231.9	230.4	229.6	225.7	223.4	222.6	222.6
12.5°	235.1	234.3	231.2	229.6	227.3	223.4	220.3	219.5	220.3
15°	232.7	234.3	229.6	226.5	224.2	221.0	216.4	216.4	216.4
17.5°	233.5	231.9	227.3	224.2	220.3	217.2	212.5	213.3	213.3
20°	228.8	230.4	224.2	220.3	215.6	212.5	208.6	208.6	209.4
22.5°	225.7	226.5	220.3	216.4	210.9	207.8	203.1	203.9	204.7
25°	222.6	221.8	216.4	211.7	205.5	201.6	197.7	199.3	200.0
27.5°	217.2	217.2	210.9	206.3	200.0	196.1	193.0	194.6	194.6
30°	213.3	211.7	206.3	200.8	194.6	190.7	188.4	188.4	189.9
32.5°	207.0	205.5	200.8	194.6	189.1	184.5	182.9	182.9	184.5
35°	201.6	199.3	194.6	188.4	182.9	178.2	176.7	177.5	186.0
37.5°	195.4	193.0	187.6	182.1	177.5	171.2	169.7	178.2	186.8
40°	189.1	186.8	180.6	175.9	171.2	165.0	162.7	179.8	185.2
42.5°	182.1	180.6	173.6	168.9	164.2	159.6	157.2	176.7	177.5
45°	179.8	173.6	166.6	161.1	156.4	151.8	155.7	168.9	172.0
47.5°	177.5	171.2	160.3	154.1	148.7	144.0	154.1	163.4	174.3
50°	174.3	168.1	151.0	146.3	140.1	137.0	150.2	164.2	171.2
52.5°	168.9	164.2	143.2	137.8	131.5	129.2	141.7	160.3	160.3
55°	161.1	157.2	139.3	129.2	123.0	119.9	135.4	149.4	149.4
57.5°	151.0	148.7	133.9	119.1	114.4	111.3	133.9	138.5	139.3
60°	137.8	137.0	128.4	109.0	105.1	103.5	128.4	126.9	126.9
62.5°	124.5	123.8	120.6	99.6	96.5	98.1	116.0	115.2	116.0
65°	111.3	112.1	110.5	90.3	87.2	91.8	103.5	104.3	105.1
67.5°	99.6	98.8	98.1	80.2	77.1	82.5	92.6	92.6	92.6
70°	87.2	86.4	84.8	73.9	67.7	75.5	80.2	80.9	80.2
72.5°	75.5	74.7	72.4	66.2	59.2	68.5	69.3	68.5	68.5
75°	63.8	63.8	61.5	57.6	48.3	57.6	57.6	57.6	56.8
77.5°	52.9	52.1	49.8	46.7	38.9	45.9	45.1	46.7	46.7
80°	42.0	42.0	40.5	35.0	29.6	35.0	35.8	36.6	35.8
82.5°	33.5	33.5	30.4	25.7	20.2	24.1	25.7	27.2	26.5
85°	25.7	24.9	22.6	17.9	13.2	15.6	17.9	18.7	18.7
87.5°	17.9	17.9	16.3	12.5	6.2	10.1	11.7	10.9	9.3
90°	4.7	4.7	4.7	3.1	1.6	3.1	3.1	3.1	2.3
92.5°	9.3	10.1	12.5	13.2	13.2	16.3	21.0	22.6	21.8
95°	35.8	36.6	35.8	35.8	34.2	35.0	38.1	39.7	41.3
97.5°	70.0	68.5	67.7	65.4	58.4	57.6	58.4	59.9	61.5
100°	108.2	105.1	102.7	103.5	86.4	84.1	82.5	82.5	84.8
102.5°	148.7	150.2	140.9	130.0	117.5	112.1	108.2	109.0	109.0
105°	196.1	189.9	194.6	164.2	149.4	142.4	136.2	136.2	135.4
107.5°	238.9	234.3	245.2	201.6	181.3	173.6	166.6	163.4	162.7
110°	295.0	337.0	263.9	237.4	213.3	203.1	195.4	192.2	191.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	398.5	351.0	305.9	277.9	247.5	233.5	224.2	222.6	219.5
115°	390.7	373.6	348.7	313.7	281.0	263.9	253.7	249.8	249.1
117.5°	428.1	419.5	391.5	351.8	312.9	291.1	281.8	277.1	276.3
120°	478.7	466.2	432.7	388.4	344.8	321.4	309.0	305.9	304.3
122.5°	516.8	509.8	472.4	425.7	375.9	348.7	335.5	332.3	332.3
125°	561.9	553.4	512.9	460.0	407.1	375.2	364.3	359.6	358.8
127.5°	605.5	592.3	551.1	497.3	437.4	402.4	389.9	383.7	384.5
130°	646.8	633.6	586.1	530.8	467.0	428.1	415.6	409.4	408.6
132.5°	685.7	667.8	620.3	561.2	495.0	454.5	442.1	432.0	432.0
135°	721.5	705.2	656.1	588.4	523.0	479.4	465.4	456.9	455.3
137.5°	758.9	736.3	688.0	615.7	549.5	506.7	489.6	480.2	475.6
140°	793.1	768.2	719.9	644.4	575.2	529.3	512.1	502.0	498.1
142.5°	819.6	796.2	747.2	670.1	600.9	553.4	529.3	523.8	519.9
145°	839.0	820.4	768.2	694.3	627.3	576.7	548.7	544.0	537.8
147.5°	855.4	840.6	786.1	716.1	649.1	597.8	566.6	562.7	554.9
150°	868.6	852.3	800.1	737.8	668.6	618.8	585.3	579.1	572.8
152.5°	877.9	864.7	810.2	756.5	688.0	639.8	603.2	594.6	588.4
155°	882.6	869.4	818.8	769.0	705.2	658.5	620.3	611.8	604.8
157.5°	883.4	870.9	825.0	781.4	721.5	674.0	638.2	628.1	621.9
160°	885.0	869.4	828.9	786.9	735.5	691.9	655.3	643.7	642.1
162.5°	883.4	865.5	831.2	793.1	748.7	706.7	672.5	661.6	660.0
165°	875.6	860.8	832.0	797.8	758.9	723.1	688.0	678.7	676.4
167.5°	862.4	853.8	827.4	799.3	768.2	735.5	704.4	695.8	689.6
170°	847.6	845.3	823.5	800.1	776.0	748.0	721.5	712.9	705.9
172.5°	833.6	832.8	815.7	799.3	779.9	757.3	738.6	729.3	723.8
175°	818.0	817.2	804.0	797.8	783.8	765.9	754.2	747.2	741.0
177.5°	800.1	801.7	793.1	796.2	783.8	775.2	769.0	765.1	758.9
180°	783.8	783.8	783.8	783.8	783.8	783.8	783.8	783.8	783.8

(END OF REPORT)