

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: P253637

Luminaire Tested: **JW-WL-40L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

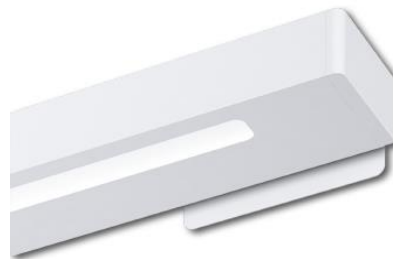
Test Information

Test Method: LM-79-08
Report Number: P253637
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 (3500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3385.2 lumens
Efficiency: N/A
Efficacy: 84.6 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

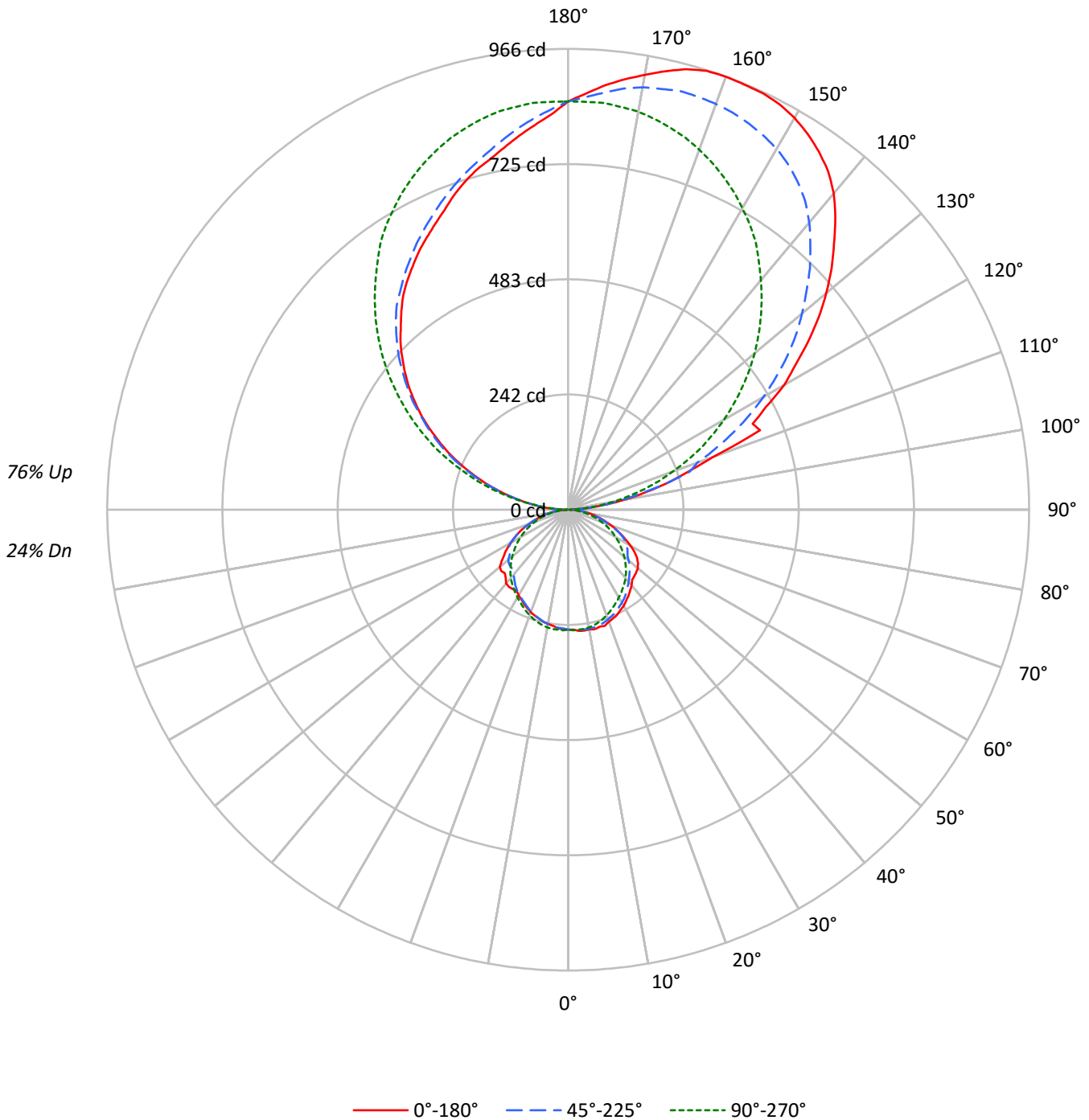
Input Watts (W): 40
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4061	4061	4061
5°	4131	4091	4036
10°	4179	4110	3984
15°	4247	4090	3948
20°	4292	4045	3928
25°	4329	3996	3891
30°	4340	3960	3865
35°	4338	3936	4003
40°	4352	3939	4262
45°	4482	3900	4288
50°	4780	3843	4695
55°	4951	3780	4594
60°	4857	3704	4472
65°	4642	3637	4382
70°	4494	3489	4131
75°	4348	3288	3868
80°	4268	3003	3636
85°	5187	2668	3779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	0.7
10°-20°	69.1	2.0
20°-30°	104.8	3.1
30°-40°	127.7	3.8
40°-50°	138.8	4.1
50°-60°	135.2	4.0
60°-70°	108.7	3.2
70°-80°	66.7	2.0
80°-90°	23.3	0.7
90°-100°	48.4	1.4
100°-110°	185.5	5.5
110°-120°	326.8	9.7
120°-130°	425.7	12.6
130°-140°	469.7	13.9
140°-150°	449.2	13.3
150°-160°	364.8	10.8
160°-170°	235.7	7.0
170°-180°	81.2	2.4
0°-30°	197.8	5.8
0°-40°	325.5	9.6
0°-60°	599.5	17.7
0°-90°	798.2	23.6
90°-120°	560.7	16.6
90°-150°	1905.3	56.3
90°-180°	2587.0	76.4
0°-180°	3385.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	252	252	252	252	252	
5°	255	253	252	248	249	24
15°	254	251	245	236	236	72
25°	243	236	224	216	218	112
35°	220	212	200	193	203	138
45°	196	182	171	170	188	152
55°	176	152	134	148	163	156
65°	122	121	95	113	115	121
75°	70	67	53	63	62	74
85°	28	25	14	20	20	26
90°	5	5	2	3	2	5
95°	39	39	37	42	45	49
105°	214	212	163	149	148	226
115°	427	381	307	277	272	434
125°	614	560	444	398	392	549
135°	788	716	571	508	497	608
145°	916	839	685	599	587	573
155°	964	894	770	677	660	445
165°	956	908	828	751	738	270
175°	893	878	856	823	809	86
180°	856	856	856	856	856	



TEST NUMBER: P253637

CATALOG NUMBER: JW-WL-40L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	251.5	251.5	251.5	251.5	251.5	251.5	251.5	251.5	251.5
2.5°	251.5	253.2	252.4	252.4	253.2	251.5	249.0	250.7	251.5
5°	254.9	254.9	253.2	252.4	252.4	249.8	248.1	248.1	249.0
7.5°	255.8	256.6	253.2	252.4	252.4	249.0	247.3	245.6	245.6
10°	254.9	256.6	253.2	251.5	250.7	246.4	243.9	243.0	243.0
12.5°	256.6	255.8	252.4	250.7	248.1	243.9	240.5	239.6	240.5
15°	254.1	255.8	250.7	247.3	244.7	241.3	236.2	236.2	236.2
17.5°	254.9	253.2	248.1	244.7	240.5	237.1	232.0	232.8	232.8
20°	249.8	251.5	244.7	240.5	235.4	232.0	227.7	227.7	228.6
22.5°	246.4	247.3	240.5	236.2	230.3	226.9	221.8	222.6	223.5
25°	243.0	242.2	236.2	231.1	224.3	220.1	215.8	217.5	218.4
27.5°	237.1	237.1	230.3	225.2	218.4	214.1	210.7	212.4	212.4
30°	232.8	231.1	225.2	219.2	212.4	208.2	205.6	205.6	207.3
32.5°	226.0	224.3	219.2	212.4	206.5	201.4	199.7	199.7	201.4
35°	220.1	217.5	212.4	205.6	199.7	194.6	192.9	193.7	203.1
37.5°	213.3	210.7	204.8	198.8	193.7	186.9	185.2	194.6	203.9
40°	206.5	203.9	197.1	192.0	186.9	180.1	177.6	196.3	202.2
42.5°	198.8	197.1	189.5	184.4	179.3	174.2	171.6	192.9	193.7
45°	196.3	189.5	181.8	175.9	170.8	165.7	169.9	184.4	187.8
47.5°	193.7	186.9	175.0	168.2	162.3	157.2	168.2	178.4	190.3
50°	190.3	183.5	164.9	159.8	153.0	149.6	164.0	179.3	186.9
52.5°	184.4	179.3	156.4	150.4	143.6	141.1	154.7	175.0	175.0
55°	175.9	171.6	152.1	141.1	134.3	130.9	147.9	163.2	163.2
57.5°	164.9	162.3	146.2	130.0	124.9	121.5	146.2	151.3	152.1
60°	150.4	149.6	140.2	119.0	114.7	113.0	140.2	138.5	138.5
62.5°	136.0	135.1	131.7	108.8	105.4	107.1	126.6	125.8	126.6
65°	121.5	122.4	120.7	98.6	95.2	100.3	113.0	113.9	114.7
67.5°	108.8	107.9	107.1	87.5	84.1	90.1	101.1	101.1	101.1
70°	95.2	94.3	92.6	80.7	73.9	82.4	87.5	88.4	87.5
72.5°	82.4	81.6	79.0	72.2	64.6	74.8	75.6	74.8	74.8
75°	69.7	69.7	67.1	62.9	52.7	62.9	62.9	62.9	62.0
77.5°	57.8	56.9	54.4	51.0	42.5	50.1	49.3	51.0	51.0
80°	45.9	45.9	44.2	38.2	32.3	38.2	39.1	39.9	39.1
82.5°	36.5	36.5	33.1	28.0	22.1	26.3	28.0	29.7	28.9
85°	28.0	27.2	24.6	19.5	14.4	17.0	19.5	20.4	20.4
87.5°	19.5	19.5	17.8	13.6	6.8	11.0	12.7	11.9	10.2
90°	5.1	5.1	5.1	3.4	1.7	3.4	3.4	3.4	2.5
92.5°	10.2	11.0	13.6	14.4	14.4	17.8	22.9	24.6	23.8
95°	39.1	39.9	39.1	39.1	37.4	38.2	41.6	43.3	45.0
97.5°	76.5	74.8	73.9	71.4	63.7	62.9	63.7	65.4	67.1
100°	118.1	114.7	112.2	113.0	94.3	91.8	90.1	90.1	92.6
102.5°	162.3	164.0	153.8	141.9	128.3	122.4	118.1	119.0	119.0
105°	214.1	207.3	212.4	179.3	163.2	155.5	148.7	148.7	147.9
107.5°	260.9	255.8	267.7	220.1	198.0	189.5	181.8	178.4	177.6
110°	322.1	367.9	288.1	259.2	232.8	221.8	213.3	209.9	209.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	435.1	383.2	333.9	303.4	270.2	254.9	244.7	243.0	239.6
115°	426.6	407.9	380.7	342.4	306.8	288.1	277.0	272.8	271.9
117.5°	467.4	458.0	427.4	384.1	341.6	317.8	307.6	302.5	301.7
120°	522.6	509.0	472.5	424.0	376.4	350.9	337.3	333.9	332.2
122.5°	564.2	556.6	515.8	464.8	410.4	380.7	366.2	362.8	362.8
125°	613.5	604.2	560.0	502.2	444.4	409.6	397.7	392.6	391.7
127.5°	661.1	646.7	601.6	543.0	477.6	439.3	425.7	418.9	419.8
130°	706.1	691.7	639.9	579.5	509.8	467.4	453.8	447.0	446.1
132.5°	748.6	729.1	677.2	612.7	540.4	496.2	482.7	471.6	471.6
135°	787.7	769.9	716.3	642.4	571.0	523.4	508.1	498.8	497.1
137.5°	828.5	803.9	751.2	672.1	599.9	553.2	534.5	524.3	519.2
140°	865.9	838.7	786.0	703.6	628.0	577.8	559.1	548.1	543.8
142.5°	894.8	869.3	815.8	731.6	656.0	604.2	577.8	571.9	567.6
145°	916.0	895.6	838.7	758.0	684.9	629.7	599.1	594.0	587.2
147.5°	933.9	917.7	858.2	781.8	708.7	652.6	618.6	614.4	605.9
150°	948.3	930.5	873.5	805.6	729.9	675.5	639.0	632.2	625.4
152.5°	958.5	944.1	884.6	825.9	751.2	698.5	658.6	649.2	642.4
155°	963.6	949.2	893.9	839.5	769.9	718.9	677.2	667.9	660.3
157.5°	964.5	950.9	900.7	853.1	787.7	735.9	696.8	685.7	678.9
160°	966.2	949.2	905.0	859.1	803.0	755.4	715.5	702.7	701.0
162.5°	964.5	944.9	907.5	865.9	817.5	771.6	734.2	722.3	720.6
165°	956.0	939.8	908.4	871.0	828.5	789.4	751.2	741.0	738.4
167.5°	941.5	932.2	903.3	872.7	838.7	803.0	769.0	759.7	752.9
170°	925.4	922.8	899.0	873.5	847.2	816.6	787.7	778.4	770.7
172.5°	910.1	909.2	890.5	872.7	851.4	826.8	806.4	796.2	790.3
175°	893.1	892.2	877.8	871.0	855.7	836.1	823.4	815.8	809.0
177.5°	873.5	875.2	865.9	869.3	855.7	846.3	839.5	835.3	828.5
180°	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7

(END OF REPORT)