

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: P275304

Luminaire Tested: **JW-WL-40L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275304
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-40L92765-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3246.9 lumens
Efficiency: N/A
Efficacy: 83.5 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

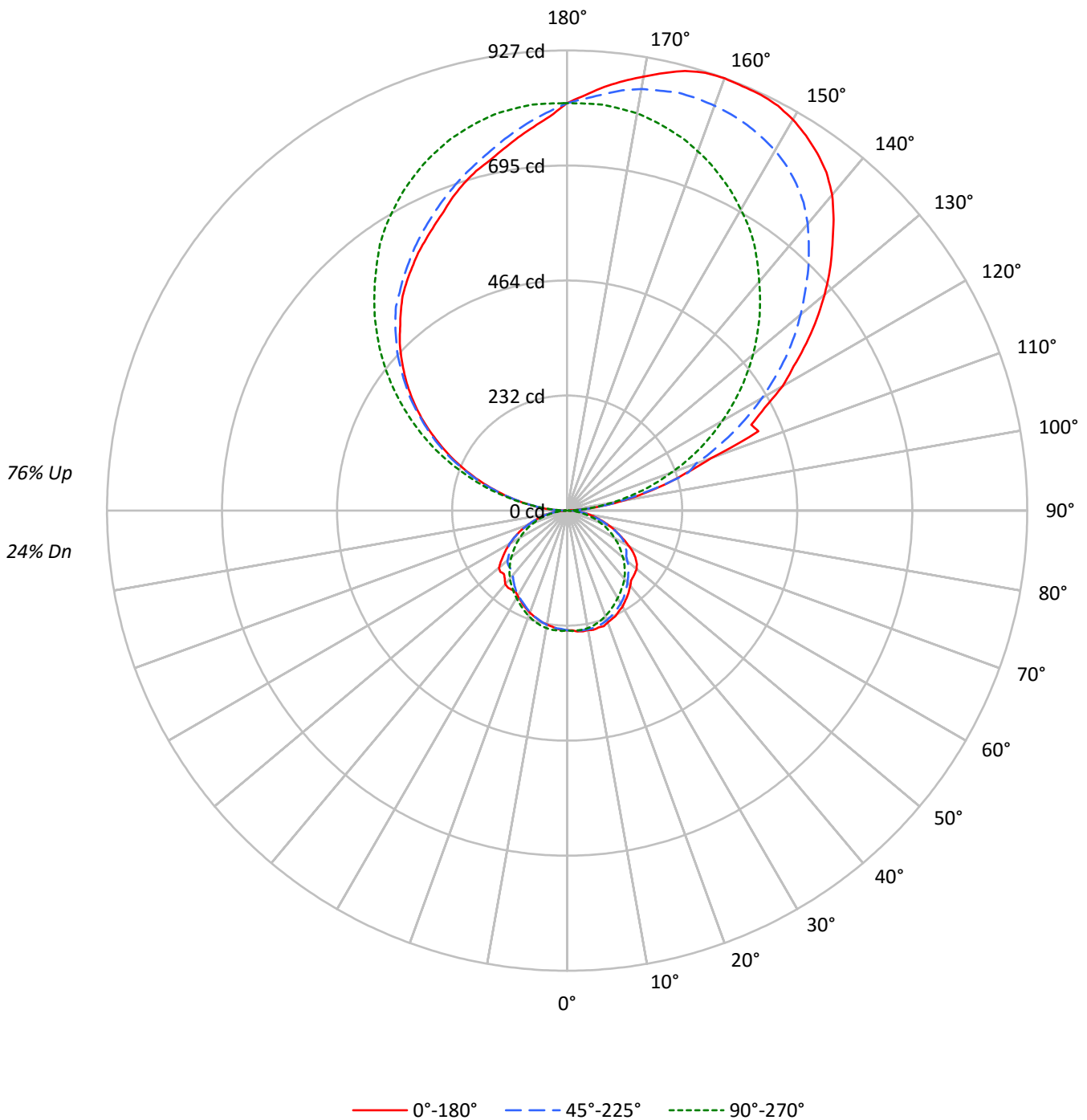
Input Watts (W): 38.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275304

CATALOG NUMBER: JW-WL-40L92765-1D-UNV-W2A-W-4 (3000K)

Luminous Intensity Polar Plot





TEST NUMBER: P275304

CATALOG NUMBER: JW-WL-40L92765-1D-UNV-W2A-W-4 (3000K)

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°	3894	3894	3894
5°	3963	3924	3870
10°	4009	3941	3822
15°	4074	3923	3788
20°	4117	3880	3766
25°	4153	3834	3732
30°	4163	3798	3708
35°	4161	3775	3840
40°	4173	3779	4089
45°	4300	3740	4112
50°	4587	3685	4504
55°	4749	3626	4405
60°	4660	3552	4288
65°	4451	3488	4202
70°	4310	3347	3961
75°	4167	3150	3712
80°	4091	2882	3487
85°	4983	2575	3631



TEST NUMBER: P275304

CATALOG NUMBER: JW-WL-40L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	0.7
10°-20°	66.2	2.0
20°-30°	100.5	3.1
30°-40°	122.5	3.8
40°-50°	133.1	4.1
50°-60°	129.7	4.0
60°-70°	104.2	3.2
70°-80°	64.0	2.0
80°-90°	22.4	0.7
90°-100°	46.5	1.4
100°-110°	177.9	5.5
110°-120°	313.4	9.7
120°-130°	408.2	12.6
130°-140°	450.5	13.9
140°-150°	430.9	13.3
150°-160°	349.9	10.8
160°-170°	226.1	7.0
170°-180°	77.9	2.4
0°-30°	189.7	5.8
0°-40°	312.2	9.6
0°-60°	575.0	17.7
0°-90°	765.6	23.6
90°-120°	537.8	16.6
90°-150°	1827.4	56.3
90°-180°	2481.0	76.4
0°-180°	3246.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	241	241	241	241	241	
5°	244	243	242	238	239	23
15°	244	240	235	227	227	69
25°	233	227	215	207	210	107
35°	211	204	192	185	195	132
45°	188	174	164	163	180	146
55°	169	146	129	142	156	149
65°	116	116	91	108	110	116
75°	67	64	50	60	60	71
85°	27	24	14	19	20	25
90°	5	5	2	3	2	5
95°	38	38	36	40	43	47
105°	205	204	156	143	142	217
115°	409	365	294	266	261	416
125°	588	537	426	381	376	526
135°	756	687	548	487	477	583
145°	879	804	657	575	563	549
155°	924	857	738	650	633	426
165°	917	871	795	720	708	259
175°	857	842	821	790	776	83
180°	821	821	821	821	821	



TEST NUMBER: P275304

CATALOG NUMBER: JW-WL-40L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	241.2	241.2	241.2	241.2	241.2	241.2	241.2	241.2	241.2
2.5°	241.2	242.9	242.1	242.1	242.9	241.2	238.8	240.4	241.2
5°	244.5	244.5	242.9	242.1	242.1	239.6	238.0	238.0	238.8
7.5°	245.3	246.1	242.9	242.1	242.1	238.8	237.2	235.5	235.5
10°	244.5	246.1	242.9	241.2	240.4	236.3	233.9	233.1	233.1
12.5°	246.1	245.3	242.1	240.4	238.0	233.9	230.6	229.8	230.6
15°	243.7	245.3	240.4	237.2	234.7	231.5	226.6	226.6	226.6
17.5°	244.5	242.9	238.0	234.7	230.6	227.4	222.5	223.3	223.3
20°	239.6	241.2	234.7	230.6	225.8	222.5	218.4	218.4	219.2
22.5°	236.3	237.2	230.6	226.6	220.9	217.6	212.7	213.5	214.3
25°	233.1	232.3	226.6	221.7	215.2	211.1	207.0	208.6	209.5
27.5°	227.4	227.4	220.9	216.0	209.5	205.4	202.1	203.7	203.7
30°	223.3	221.7	216.0	210.3	203.7	199.7	197.2	197.2	198.9
32.5°	216.8	215.2	210.3	203.7	198.0	193.2	191.5	191.5	193.2
35°	211.1	208.6	203.7	197.2	191.5	186.6	185.0	185.8	194.8
37.5°	204.6	202.1	196.4	190.7	185.8	179.3	177.7	186.6	195.6
40°	198.0	195.6	189.1	184.2	179.3	172.8	170.3	188.3	194.0
42.5°	190.7	189.1	181.7	176.9	172.0	167.1	164.6	185.0	185.8
45°	188.3	181.7	174.4	168.7	163.8	158.9	163.0	176.9	180.1
47.5°	185.8	179.3	167.9	161.4	155.7	150.8	161.4	171.1	182.6
50°	182.6	176.0	158.1	153.2	146.7	143.4	157.3	172.0	179.3
52.5°	176.9	172.0	150.0	144.3	137.7	135.3	148.3	167.9	167.9
55°	168.7	164.6	145.9	135.3	128.8	125.5	141.8	156.5	156.5
57.5°	158.1	155.7	140.2	124.7	119.8	116.5	140.2	145.1	145.9
60°	144.3	143.4	134.5	114.1	110.0	108.4	134.5	132.8	132.8
62.5°	130.4	129.6	126.3	104.3	101.1	102.7	121.4	120.6	121.4
65°	116.5	117.4	115.7	94.5	91.3	96.2	108.4	109.2	110.0
67.5°	104.3	103.5	102.7	83.9	80.7	86.4	97.0	97.0	97.0
70°	91.3	90.5	88.8	77.4	70.9	79.1	83.9	84.8	83.9
72.5°	79.1	78.2	75.8	69.3	61.9	71.7	72.5	71.7	71.7
75°	66.8	66.8	64.4	60.3	50.5	60.3	60.3	60.3	59.5
77.5°	55.4	54.6	52.2	48.9	40.7	48.1	47.3	48.9	48.9
80°	44.0	44.0	42.4	36.7	31.0	36.7	37.5	38.3	37.5
82.5°	35.0	35.0	31.8	26.9	21.2	25.3	26.9	28.5	27.7
85°	26.9	26.1	23.6	18.7	13.9	16.3	18.7	19.6	19.6
87.5°	18.7	18.7	17.1	13.0	6.5	10.6	12.2	11.4	9.8
90°	4.9	4.9	4.9	3.3	1.6	3.3	3.3	3.3	2.4
92.5°	9.8	10.6	13.0	13.9	13.9	17.1	22.0	23.6	22.8
95°	37.5	38.3	37.5	37.5	35.9	36.7	39.9	41.6	43.2
97.5°	73.3	71.7	70.9	68.5	61.1	60.3	61.1	62.8	64.4
100°	113.3	110.0	107.6	108.4	90.5	88.0	86.4	86.4	88.8
102.5°	155.7	157.3	147.5	136.1	123.1	117.4	113.3	114.1	114.1
105°	205.4	198.9	203.7	172.0	156.5	149.1	142.6	142.6	141.8
107.5°	250.2	245.3	256.7	211.1	189.9	181.7	174.4	171.1	170.3
110°	308.9	352.9	276.3	248.6	223.3	212.7	204.6	201.3	200.5



TEST NUMBER: P275304

CATALOG NUMBER: JW-WL-40L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	417.3	367.6	320.3	291.0	259.2	244.5	234.7	233.1	229.8
115°	409.1	391.2	365.1	328.4	294.2	276.3	265.7	261.6	260.8
117.5°	448.2	439.3	409.9	368.4	327.6	304.8	295.0	290.1	289.3
120°	501.2	488.2	453.1	406.7	361.0	336.6	323.6	320.3	318.7
122.5°	541.2	533.8	494.7	445.8	393.6	365.1	351.3	348.0	348.0
125°	588.4	579.5	537.1	481.7	426.2	392.8	381.4	376.5	375.7
127.5°	634.1	620.2	577.0	520.8	458.0	421.4	408.3	401.8	402.6
130°	677.3	663.4	613.7	555.8	489.0	448.2	435.2	428.7	427.9
132.5°	718.0	699.3	649.6	587.6	518.3	476.0	462.9	452.3	452.3
135°	755.5	738.4	687.0	616.1	547.7	502.0	487.4	478.4	476.8
137.5°	794.6	771.0	720.5	644.7	575.4	530.6	512.6	502.9	498.0
140°	830.5	804.4	753.9	674.8	602.3	554.2	536.3	525.7	521.6
142.5°	858.2	833.7	782.4	701.7	629.2	579.5	554.2	548.5	544.4
145°	878.6	859.0	804.4	727.0	656.9	603.9	574.6	569.7	563.2
147.5°	895.7	880.2	823.1	749.8	679.7	625.9	593.3	589.2	581.1
150°	909.5	892.4	837.8	772.6	700.1	647.9	612.9	606.4	599.8
152.5°	919.3	905.5	848.4	792.2	720.5	669.9	631.6	622.7	616.1
155°	924.2	910.4	857.4	805.2	738.4	689.5	649.6	640.6	633.3
157.5°	925.0	912.0	863.9	818.3	755.5	705.8	668.3	657.7	651.2
160°	926.7	910.4	868.0	824.0	770.2	724.5	686.2	674.0	672.4
162.5°	925.0	906.3	870.4	830.5	784.0	740.0	704.2	692.7	691.1
165°	916.9	901.4	871.2	835.4	794.6	757.1	720.5	710.7	708.2
167.5°	903.0	894.1	866.3	837.0	804.4	770.2	737.6	728.6	722.1
170°	887.5	885.1	862.3	837.8	812.6	783.2	755.5	746.5	739.2
172.5°	872.9	872.0	854.1	837.0	816.6	793.0	773.4	763.7	757.9
175°	856.6	855.7	841.9	835.4	820.7	802.0	789.7	782.4	775.9
177.5°	837.8	839.4	830.5	833.7	820.7	811.7	805.2	801.1	794.6
180°	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7

(END OF REPORT)