

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: P275305

Luminaire Tested: **JW-WL-40L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275305
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 (3500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3410.2 lumens
Efficiency: N/A
Efficacy: 86.6 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

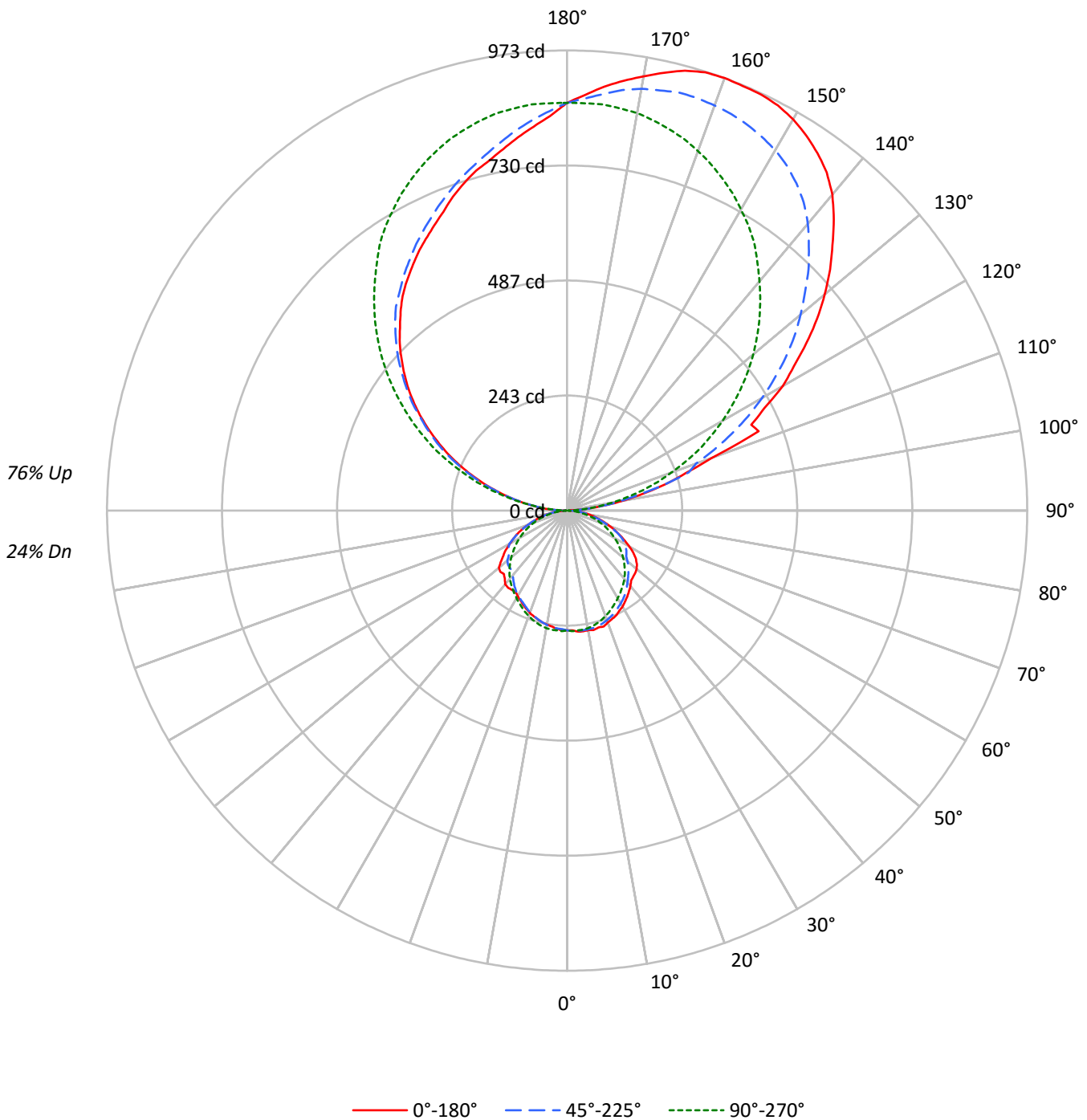
Input Watts (W): 39.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4091	4091	4091
5°	4162	4120	4065
10°	4210	4140	4013
15°	4277	4120	3978
20°	4325	4074	3957
25°	4361	4026	3919
30°	4372	3990	3895
35°	4370	3966	4033
40°	4384	3969	4293
45°	4514	3930	4320
50°	4815	3871	4730
55°	4988	3806	4628
60°	4892	3733	4505
65°	4676	3664	4416
70°	4527	3517	4164
75°	4379	3313	3899
80°	4296	3022	3663
85°	5224	2705	3798



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	0.7
10°-20°	69.6	2.0
20°-30°	105.6	3.1
30°-40°	128.7	3.8
40°-50°	139.8	4.1
50°-60°	136.2	4.0
60°-70°	109.5	3.2
70°-80°	67.2	2.0
80°-90°	23.5	0.7
90°-100°	48.8	1.4
100°-110°	186.9	5.5
110°-120°	329.2	9.7
120°-130°	428.8	12.6
130°-140°	473.1	13.9
140°-150°	452.6	13.3
150°-160°	367.5	10.8
160°-170°	237.4	7.0
170°-180°	81.8	2.4
0°-30°	199.2	5.8
0°-40°	327.9	9.6
0°-60°	603.9	17.7
0°-90°	804.1	23.6
90°-120°	564.9	16.6
90°-150°	1919.4	56.3
90°-180°	2606.0	76.4
0°-180°	3410.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	253	253	253	253	253	
5°	257	255	254	250	251	24
15°	256	252	246	238	238	73
25°	245	238	226	217	220	113
35°	222	214	201	194	205	139
45°	198	183	172	171	189	153
55°	177	153	135	149	164	157
65°	122	122	96	114	116	122
75°	70	68	53	63	62	75
85°	28	25	15	20	20	27
90°	5	5	2	3	3	6
95°	39	39	38	42	45	49
105°	216	214	164	150	149	228
115°	430	384	309	279	274	437
125°	618	564	448	401	395	553
135°	794	722	575	512	501	613
145°	923	845	690	604	592	577
155°	971	900	776	682	665	448
165°	963	915	835	757	744	272
175°	900	884	862	830	815	87
180°	862	862	862	862	862	



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CATALOG NUMBER: JW-WL-40L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4
2.5°	253.4	255.1	254.2	254.2	255.1	253.4	250.8	252.5	253.4
5°	256.8	256.8	255.1	254.2	254.2	251.7	250.0	250.0	250.8
7.5°	257.7	258.5	255.1	254.2	254.2	250.8	249.1	247.4	247.4
10°	256.8	258.5	255.1	253.4	252.5	248.2	245.7	244.8	244.8
12.5°	258.5	257.7	254.2	252.5	250.0	245.7	242.2	241.4	242.2
15°	255.9	257.7	252.5	249.1	246.5	243.1	238.0	238.0	238.0
17.5°	256.8	255.1	250.0	246.5	242.2	238.8	233.7	234.5	234.5
20°	251.7	253.4	246.5	242.2	237.1	233.7	229.4	229.4	230.3
22.5°	248.2	249.1	242.2	238.0	232.0	228.6	223.4	224.3	225.1
25°	244.8	244.0	238.0	232.8	226.0	221.7	217.4	219.1	220.0
27.5°	238.8	238.8	232.0	226.8	220.0	215.7	212.3	214.0	214.0
30°	234.5	232.8	226.8	220.8	214.0	209.7	207.2	207.2	208.9
32.5°	227.7	226.0	220.8	214.0	208.0	202.9	201.2	201.2	202.9
35°	221.7	219.1	214.0	207.2	201.2	196.0	194.3	195.2	204.6
37.5°	214.9	212.3	206.3	200.3	195.2	188.3	186.6	196.0	205.4
40°	208.0	205.4	198.6	193.5	188.3	181.5	178.9	197.7	203.7
42.5°	200.3	198.6	190.9	185.8	180.6	175.5	172.9	194.3	195.2
45°	197.7	190.9	183.2	177.2	172.1	166.9	171.2	185.8	189.2
47.5°	195.2	188.3	176.3	169.5	163.5	158.4	169.5	179.8	191.7
50°	191.7	184.9	166.1	160.9	154.1	150.7	165.2	180.6	188.3
52.5°	185.8	180.6	157.5	151.5	144.7	142.1	155.8	176.3	176.3
55°	177.2	172.9	153.2	142.1	135.2	131.8	148.9	164.4	164.4
57.5°	166.1	163.5	147.2	131.0	125.8	122.4	147.2	152.4	153.2
60°	151.5	150.7	141.2	119.8	115.6	113.8	141.2	139.5	139.5
62.5°	137.0	136.1	132.7	109.6	106.1	107.9	127.5	126.7	127.5
65°	122.4	123.3	121.6	99.3	95.9	101.0	113.8	114.7	115.6
67.5°	109.6	108.7	107.9	88.2	84.7	90.7	101.9	101.9	101.9
70°	95.9	95.0	93.3	81.3	74.5	83.0	88.2	89.0	88.2
72.5°	83.0	82.2	79.6	72.8	65.1	75.3	76.2	75.3	75.3
75°	70.2	70.2	67.6	63.3	53.1	63.3	63.3	63.3	62.5
77.5°	58.2	57.4	54.8	51.4	42.8	50.5	49.6	51.4	51.4
80°	46.2	46.2	44.5	38.5	32.5	38.5	39.4	40.2	39.4
82.5°	36.8	36.8	33.4	28.2	22.3	26.5	28.2	30.0	29.1
85°	28.2	27.4	24.8	19.7	14.6	17.1	19.7	20.5	20.5
87.5°	19.7	19.7	18.0	13.7	6.8	11.1	12.8	12.0	10.3
90°	5.1	5.1	5.1	3.4	1.7	3.4	3.4	3.4	2.6
92.5°	10.3	11.1	13.7	14.6	14.6	18.0	23.1	24.8	24.0
95°	39.4	40.2	39.4	39.4	37.7	38.5	41.9	43.7	45.4
97.5°	77.0	75.3	74.5	71.9	64.2	63.3	64.2	65.9	67.6
100°	119.0	115.6	113.0	113.8	95.0	92.4	90.7	90.7	93.3
102.5°	163.5	165.2	154.9	143.0	129.3	123.3	119.0	119.8	119.8
105°	215.7	208.9	214.0	180.6	164.4	156.6	149.8	149.8	148.9
107.5°	262.8	257.7	269.6	221.7	199.4	190.9	183.2	179.8	178.9
110°	324.4	370.6	290.2	261.1	234.5	223.4	214.9	211.4	210.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	438.3	386.1	336.4	305.6	272.2	256.8	246.5	244.8	241.4
115°	429.7	410.9	383.5	345.0	309.0	290.2	279.1	274.8	273.9
117.5°	470.8	461.4	430.6	386.9	344.1	320.1	309.9	304.7	303.9
120°	526.4	512.7	475.9	427.1	379.2	353.5	339.8	336.4	334.7
122.5°	568.4	560.7	519.6	468.2	413.4	383.5	368.9	365.5	365.5
125°	618.0	608.6	564.1	505.9	447.7	412.6	400.6	395.5	394.6
127.5°	666.0	651.4	606.0	547.0	481.1	442.6	428.9	422.0	422.9
130°	711.3	696.8	644.6	583.8	513.6	470.8	457.1	450.3	449.4
132.5°	754.1	734.4	682.2	617.2	544.4	499.9	486.2	475.1	475.1
135°	793.5	775.5	721.6	647.1	575.2	527.3	511.9	502.5	500.8
137.5°	834.6	809.8	756.7	677.1	604.3	557.3	538.4	528.2	523.0
140°	872.3	844.9	791.8	708.8	632.6	582.1	563.2	552.1	547.8
142.5°	901.4	875.7	821.8	737.0	660.8	608.6	582.1	576.1	571.8
145°	922.8	902.2	844.9	763.6	689.9	634.3	603.5	598.3	591.5
147.5°	940.7	924.5	864.6	787.5	713.9	657.4	623.2	618.9	610.3
150°	955.3	937.3	880.0	811.5	735.3	680.5	643.7	636.9	630.0
152.5°	965.6	951.0	891.1	832.0	756.7	703.6	663.4	654.0	647.1
155°	970.7	956.2	900.5	845.7	775.5	724.2	682.2	672.8	665.1
157.5°	971.6	957.9	907.4	859.4	793.5	741.3	701.9	690.8	683.9
160°	973.3	956.2	911.6	865.4	808.9	761.0	720.8	707.9	706.2
162.5°	971.6	951.9	914.2	872.3	823.5	777.2	739.6	727.6	725.9
165°	963.0	946.7	915.1	877.4	834.6	795.2	756.7	746.4	743.9
167.5°	948.4	939.0	909.9	879.1	844.9	808.9	774.7	765.3	758.4
170°	932.2	929.6	905.6	880.0	853.4	822.6	793.5	784.1	776.4
172.5°	916.8	915.9	897.1	879.1	857.7	832.9	812.3	802.1	796.1
175°	899.7	898.8	884.2	877.4	862.0	842.3	829.5	821.8	814.9
177.5°	880.0	881.7	872.3	875.7	862.0	852.6	845.7	841.4	834.6
180°	862.0	862.0	862.0	862.0	862.0	862.0	862.0	862.0	862.0

(END OF REPORT)