

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: P275270

Luminaire Tested: **JW-WL-20L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-20L82765-1D-UNV-W2A-W-4 (6500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2091.8 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

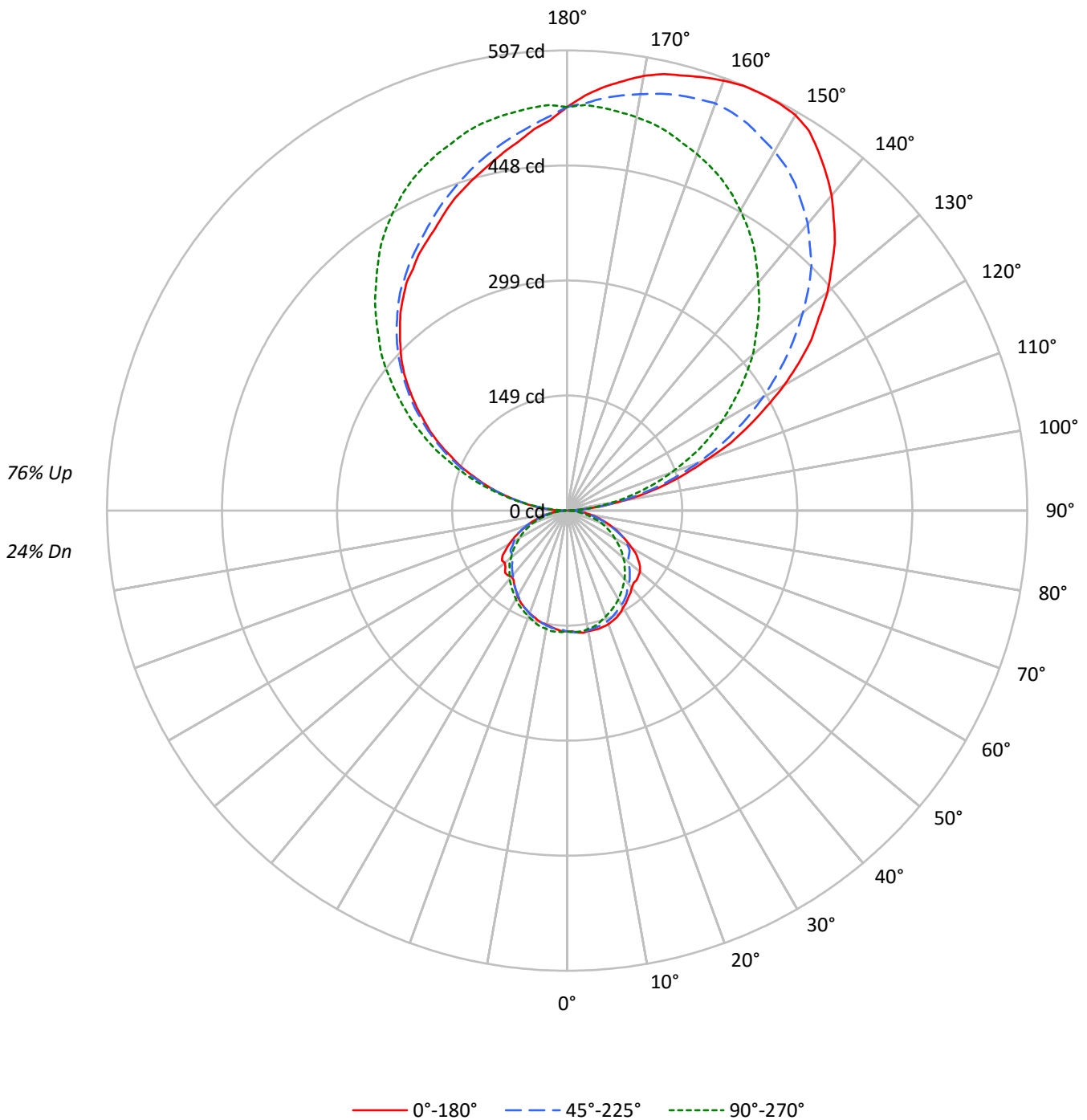
Input Watts (W): 18.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	50	50	32	32	32	24
1	92	87	84	80	81	78	75	72	60	58	56	43	42	41	28	27	26	19
2	83	76	70	65	74	68	63	58	52	49	46	38	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	7
9	46	34	27	22	41	31	24	20	24	19	16	18	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°	2532	2532	2532
5°	2574	2558	2507
10°	2604	2553	2467
15°	2654	2551	2462
20°	2694	2514	2442
25°	2719	2494	2421
30°	2709	2474	2396
35°	2718	2452	2348
40°	2753	2445	2356
45°	2911	2409	2601
50°	3097	2389	2650
55°	3178	2353	2882
60°	3139	2296	2800
65°	3033	2277	2674
70°	2960	2219	2563
75°	2870	2021	2414
80°	2920	1850	2232
85°	3483	1741	2316



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.7
10°-20°	43.0	2.1
20°-30°	65.4	3.1
30°-40°	79.2	3.8
40°-50°	85.4	4.1
50°-60°	84.1	4.0
60°-70°	68.4	3.3
70°-80°	42.4	2.0
80°-90°	14.9	0.7
90°-100°	30.0	1.4
100°-110°	113.6	5.4
110°-120°	200.7	9.6
120°-130°	263.4	12.6
130°-140°	290.5	13.9
140°-150°	276.8	13.2
150°-160°	224.5	10.7
160°-170°	144.8	6.9
170°-180°	49.8	2.4
0°-30°	123.3	5.9
0°-40°	202.6	9.7
0°-60°	372.1	17.8
0°-90°	497.7	23.8
90°-120°	344.3	16.5
90°-150°	1175.1	56.2
90°-180°	1594.0	76.2
0°-180°	2091.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	157	157	157	157	157	
5°	159	159	158	154	155	15
15°	159	156	153	147	147	45
25°	153	147	140	136	136	70
35°	138	134	124	119	119	87
45°	128	115	106	101	114	98
55°	113	98	84	90	102	100
65°	79	78	60	71	70	79
75°	46	44	32	39	39	49
85°	19	17	9	12	12	18
90°	1	1	1	2	2	3
95°	22	25	22	27	29	30
105°	135	123	99	92	93	141
115°	260	237	189	171	166	257
125°	387	347	273	246	240	344
135°	491	448	350	312	306	378
145°	568	516	421	368	363	355
155°	597	554	474	416	404	276
165°	584	558	508	463	450	166
175°	552	537	525	503	496	53
180°	524	524	524	524	524	



TEST NUMBER: P275270

CATALOG NUMBER: JW-WL-20L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8
2.5°	156.8	157.8	157.8	157.8	157.8	157.8	154.7	155.7	156.8
5°	158.8	158.8	158.8	157.8	157.8	156.8	153.6	154.7	154.7
7.5°	159.9	159.9	158.8	157.8	157.8	156.8	153.6	153.6	152.6
10°	158.8	159.9	157.8	157.8	155.7	154.7	151.5	151.5	150.5
12.5°	158.8	159.9	156.8	155.7	154.7	151.5	149.4	149.4	149.4
15°	158.8	159.9	155.7	154.7	152.6	149.4	147.3	147.3	147.3
17.5°	157.8	157.8	154.7	151.5	149.4	146.3	145.3	145.3	144.2
20°	156.8	156.8	152.6	149.4	146.3	143.2	142.1	142.1	142.1
22.5°	154.7	154.7	150.5	147.3	143.2	140.0	139.0	139.0	139.0
25°	152.6	151.5	147.3	144.2	140.0	136.9	135.9	134.8	135.9
27.5°	149.4	148.4	144.2	140.0	136.9	133.8	131.7	131.7	132.7
30°	145.3	145.3	141.1	136.9	132.7	129.6	127.5	127.5	128.5
32.5°	142.1	142.1	137.9	132.7	128.5	126.4	123.3	123.3	123.3
35°	137.9	137.9	133.8	128.5	124.4	121.2	119.1	119.1	119.1
37.5°	134.8	134.8	128.5	124.4	120.2	117.0	113.9	113.9	113.9
40°	130.6	129.6	124.4	120.2	116.0	112.9	109.7	109.7	111.8
42.5°	127.5	124.4	120.2	116.0	110.8	107.6	105.5	107.6	113.9
45°	127.5	121.2	115.0	110.8	105.5	102.4	101.4	108.7	113.9
47.5°	125.4	121.2	109.7	105.5	101.4	97.2	96.1	108.7	108.7
50°	123.3	119.1	103.5	99.3	95.1	92.0	92.0	103.5	105.5
52.5°	119.1	116.0	100.3	94.1	89.9	86.7	90.9	99.3	106.6
55°	112.9	111.8	98.2	87.8	83.6	80.5	89.9	100.3	102.4
57.5°	106.6	106.6	96.1	80.5	77.3	75.2	83.6	95.1	94.1
60°	97.2	98.2	90.9	75.2	71.1	69.0	79.4	86.7	86.7
62.5°	87.8	88.8	85.7	69.0	65.8	62.7	78.4	78.4	78.4
65°	79.4	79.4	78.4	62.7	59.6	56.4	71.1	70.0	70.0
67.5°	71.1	71.1	69.0	56.4	53.3	53.3	62.7	62.7	61.7
70°	62.7	62.7	60.6	52.3	47.0	49.1	55.4	54.3	54.3
72.5°	54.3	54.3	52.3	47.0	39.7	42.8	46.0	46.0	47.0
75°	46.0	47.0	43.9	40.8	32.4	38.7	38.7	38.7	38.7
77.5°	38.7	38.7	35.5	32.4	26.1	31.4	30.3	31.4	31.4
80°	31.4	31.4	29.3	25.1	19.9	24.0	24.0	24.0	24.0
82.5°	24.0	24.0	21.9	18.8	13.6	16.7	17.8	17.8	17.8
85°	18.8	18.8	16.7	12.5	9.4	10.5	12.5	12.5	12.5
87.5°	13.6	13.6	11.5	8.4	5.2	7.3	7.3	6.3	6.3
90°	1.0	1.0	1.0	1.0	1.0	1.0	2.1	1.0	2.1
92.5°	5.2	5.2	6.3	8.4	8.4	12.5	14.6	16.7	16.7
95°	21.9	23.0	25.1	24.0	21.9	25.1	27.2	29.3	29.3
97.5°	47.0	48.1	46.0	42.8	38.7	39.7	39.7	42.8	43.9
100°	74.2	73.2	70.0	65.8	58.5	56.4	55.4	57.5	57.5
102.5°	104.5	102.4	95.1	87.8	78.4	74.2	74.2	73.2	74.2
105°	134.8	131.7	123.3	110.8	99.3	95.1	92.0	90.9	93.0
107.5°	163.0	162.0	151.5	135.9	122.3	115.0	112.9	110.8	110.8
110°	192.3	190.2	179.7	159.9	143.2	135.9	132.7	129.6	128.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	229.9	223.6	209.0	187.1	165.1	157.8	152.6	149.4	149.4
115°	260.2	253.9	237.2	213.2	189.1	177.7	171.4	168.2	166.2
117.5°	291.6	285.3	265.4	238.3	210.0	198.6	190.2	189.1	186.0
120°	325.0	316.6	292.6	263.3	232.0	216.3	209.0	206.9	204.8
122.5°	356.3	345.9	319.8	286.3	251.8	234.1	226.8	224.7	221.5
125°	386.7	374.1	346.9	311.4	272.7	252.9	245.6	242.4	240.4
127.5°	411.7	403.4	373.1	334.4	293.6	270.7	262.3	259.2	258.1
130°	441.0	429.5	399.2	355.3	314.5	288.4	280.1	274.8	275.9
132.5°	465.0	455.6	424.3	377.2	331.3	305.1	296.8	291.6	291.6
135°	491.2	480.7	448.3	397.1	350.1	322.9	312.5	307.2	306.2
137.5°	512.1	503.7	466.1	415.9	368.9	338.6	327.1	322.9	320.8
140°	534.0	522.5	485.9	434.7	385.6	355.3	341.7	338.6	336.5
142.5°	551.8	539.2	500.6	451.4	403.4	371.0	356.3	353.2	349.0
145°	568.5	553.9	516.2	467.1	421.1	385.6	367.8	364.7	362.6
147.5°	584.2	567.4	528.8	480.7	435.8	400.2	380.4	377.2	372.0
150°	592.5	576.8	538.2	494.3	449.4	412.8	391.9	387.7	384.6
152.5°	595.7	584.2	545.5	505.8	462.9	427.4	403.4	398.1	394.0
155°	596.7	586.2	553.9	515.2	474.4	441.0	415.9	408.6	404.4
157.5°	596.7	585.2	559.1	522.5	483.8	452.5	428.5	420.1	417.0
160°	593.6	585.2	562.2	528.8	492.2	462.9	439.9	430.5	429.5
162.5°	589.4	583.1	560.1	533.0	499.5	473.4	451.4	442.0	439.9
165°	584.2	578.9	558.0	537.1	507.9	482.8	462.9	454.6	450.4
167.5°	580.0	573.7	553.9	537.1	514.1	492.2	473.4	467.1	460.8
170°	572.7	567.4	548.6	536.1	518.3	498.5	483.8	477.6	472.3
172.5°	562.2	558.0	543.4	535.0	521.5	505.8	493.2	489.1	482.8
175°	551.8	549.7	537.1	534.0	524.6	513.1	502.6	500.6	496.4
177.5°	539.2	538.2	528.8	530.9	526.7	518.3	512.1	513.1	506.8
180°	523.5	523.5	523.5	523.5	523.5	523.5	523.5	523.5	523.5

(END OF REPORT)