

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: P275265

Luminaire Tested: **JW-WL-20L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275265
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 (3500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1955.7 lumens
Efficiency: N/A
Efficacy: 111.1 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

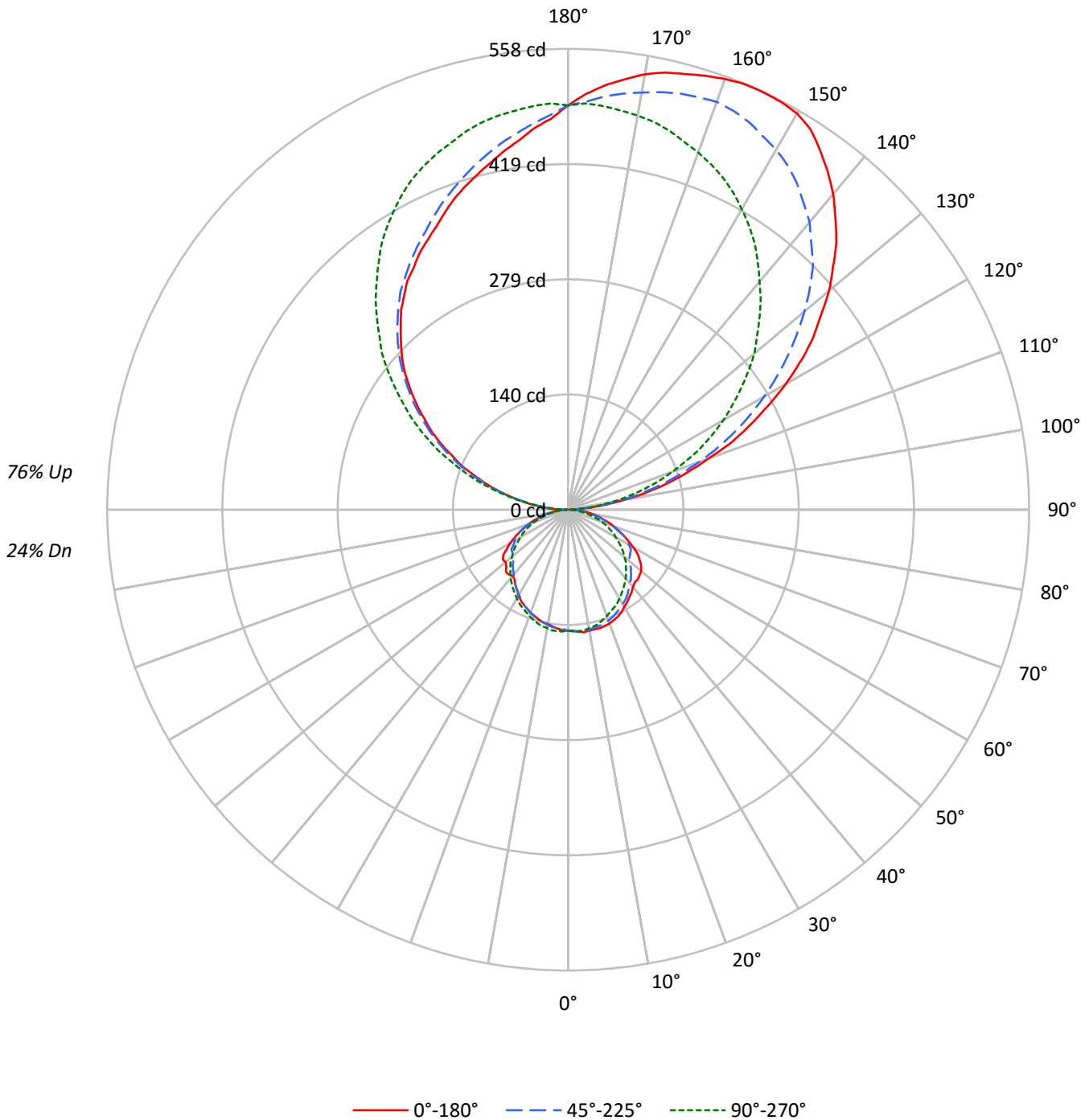
Input Watts (W): 17.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2365	2365	2365
5°	2407	2391	2344
10°	2435	2387	2307
15°	2482	2384	2303
20°	2517	2351	2283
25°	2540	2332	2263
30°	2532	2314	2241
35°	2543	2292	2196
40°	2573	2285	2203
45°	2722	2254	2432
50°	2896	2233	2479
55°	2970	2201	2694
60°	2935	2144	2619
65°	2839	2128	2502
70°	2766	2077	2398
75°	2682	1890	2252
80°	2724	1729	2092
85°	3260	1630	2167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	0.7
10°-20°	40.2	2.1
20°-30°	61.1	3.1
30°-40°	74.1	3.8
40°-50°	79.9	4.1
50°-60°	78.6	4.0
60°-70°	63.9	3.3
70°-80°	39.6	2.0
80°-90°	13.9	0.7
90°-100°	28.1	1.4
100°-110°	106.2	5.4
110°-120°	187.7	9.6
120°-130°	246.2	12.6
130°-140°	271.6	13.9
140°-150°	258.8	13.2
150°-160°	209.9	10.7
160°-170°	135.3	6.9
170°-180°	46.5	2.4
0°-30°	115.3	5.9
0°-40°	189.4	9.7
0°-60°	347.9	17.8
0°-90°	465.3	23.8
90°-120°	321.9	16.5
90°-150°	1098.6	56.2
90°-180°	1490.0	76.2
0°-180°	1955.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	146	146	146	146	146	
5°	148	148	148	144	145	14
15°	148	146	143	138	138	42
25°	143	138	131	127	127	66
35°	129	125	116	111	111	81
45°	119	108	99	95	106	92
55°	106	92	78	84	96	94
65°	74	73	56	66	66	74
75°	43	41	30	36	36	46
85°	18	16	9	12	12	17
90°	1	1	1	2	2	3
95°	20	23	20	25	27	28
105°	126	115	93	86	87	132
115°	243	222	177	160	155	241
125°	362	324	255	230	225	322
135°	459	419	327	292	286	353
145°	532	483	394	344	339	332
155°	558	518	444	389	378	258
165°	546	522	475	433	421	155
175°	516	502	490	470	464	50
180°	490	490	490	490	490	



TEST NUMBER: P275265

CATALOG NUMBER: JW-WL-20L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5
2.5°	146.5	147.5	147.5	147.5	147.5	147.5	144.6	145.6	146.5
5°	148.5	148.5	148.5	147.5	147.5	146.5	143.6	144.6	144.6
7.5°	149.5	149.5	148.5	147.5	147.5	146.5	143.6	143.6	142.6
10°	148.5	149.5	147.5	147.5	145.6	144.6	141.7	141.7	140.7
12.5°	148.5	149.5	146.5	145.6	144.6	141.7	139.7	139.7	139.7
15°	148.5	149.5	145.6	144.6	142.6	139.7	137.8	137.8	137.8
17.5°	147.5	147.5	144.6	141.7	139.7	136.8	135.8	135.8	134.8
20°	146.5	146.5	142.6	139.7	136.8	133.8	132.9	132.9	132.9
22.5°	144.6	144.6	140.7	137.8	133.8	130.9	129.9	129.9	129.9
25°	142.6	141.7	137.8	134.8	130.9	128.0	127.0	126.0	127.0
27.5°	139.7	138.7	134.8	130.9	128.0	125.1	123.1	123.1	124.1
30°	135.8	135.8	131.9	128.0	124.1	121.1	119.2	119.2	120.2
32.5°	132.9	132.9	129.0	124.1	120.2	118.2	115.3	115.3	115.3
35°	129.0	129.0	125.1	120.2	116.3	113.3	111.4	111.4	111.4
37.5°	126.0	126.0	120.2	116.3	112.4	109.4	106.5	106.5	106.5
40°	122.1	121.1	116.3	112.4	108.4	105.5	102.6	102.6	104.5
42.5°	119.2	116.3	112.4	108.4	103.6	100.6	98.7	100.6	106.5
45°	119.2	113.3	107.5	103.6	98.7	95.7	94.8	101.6	106.5
47.5°	117.2	113.3	102.6	98.7	94.8	90.9	89.9	101.6	101.6
50°	115.3	111.4	96.7	92.8	88.9	86.0	86.0	96.7	98.7
52.5°	111.4	108.4	93.8	87.9	84.0	81.1	85.0	92.8	99.7
55°	105.5	104.5	91.8	82.1	78.2	75.2	84.0	93.8	95.7
57.5°	99.7	99.7	89.9	75.2	72.3	70.3	78.2	88.9	87.9
60°	90.9	91.8	85.0	70.3	66.4	64.5	74.3	81.1	81.1
62.5°	82.1	83.0	80.1	64.5	61.6	58.6	73.3	73.3	73.3
65°	74.3	74.3	73.3	58.6	55.7	52.8	66.4	65.5	65.5
67.5°	66.4	66.4	64.5	52.8	49.8	49.8	58.6	58.6	57.6
70°	58.6	58.6	56.7	48.8	44.0	45.9	51.8	50.8	50.8
72.5°	50.8	50.8	48.8	44.0	37.1	40.1	43.0	43.0	44.0
75°	43.0	44.0	41.0	38.1	30.3	36.1	36.1	36.1	36.1
77.5°	36.1	36.1	33.2	30.3	24.4	29.3	28.3	29.3	29.3
80°	29.3	29.3	27.4	23.4	18.6	22.5	22.5	22.5	22.5
82.5°	22.5	22.5	20.5	17.6	12.7	15.6	16.6	16.6	16.6
85°	17.6	17.6	15.6	11.7	8.8	9.8	11.7	11.7	11.7
87.5°	12.7	12.7	10.7	7.8	4.9	6.8	6.8	5.9	5.9
90°	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	2.0
92.5°	4.9	4.9	5.9	7.8	7.8	11.7	13.7	15.6	15.6
95°	20.5	21.5	23.4	22.5	20.5	23.4	25.4	27.4	27.4
97.5°	44.0	44.9	43.0	40.1	36.1	37.1	37.1	40.1	41.0
100°	69.4	68.4	65.5	61.6	54.7	52.8	51.8	53.7	53.7
102.5°	97.7	95.7	88.9	82.1	73.3	69.4	69.4	68.4	69.4
105°	126.0	123.1	115.3	103.6	92.8	88.9	86.0	85.0	87.0
107.5°	152.4	151.4	141.7	127.0	114.3	107.5	105.5	103.6	103.6
110°	179.8	177.8	168.0	149.5	133.8	127.0	124.1	121.1	120.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	214.9	209.1	195.4	174.9	154.4	147.5	142.6	139.7	139.7
115°	243.3	237.4	221.8	199.3	176.8	166.1	160.2	157.3	155.3
117.5°	272.6	266.7	248.2	222.8	196.4	185.6	177.8	176.8	173.9
120°	303.8	296.0	273.6	246.2	216.9	202.2	195.4	193.4	191.5
122.5°	333.2	323.4	299.0	267.7	235.5	218.8	212.0	210.1	207.1
125°	361.5	349.8	324.4	291.1	255.0	236.4	229.6	226.7	224.7
127.5°	384.9	377.1	348.8	312.6	274.5	253.0	245.2	242.3	241.3
130°	412.3	401.5	373.2	332.2	294.1	269.7	261.8	257.0	257.9
132.5°	434.8	426.0	396.7	352.7	309.7	285.3	277.5	272.6	272.6
135°	459.2	449.4	419.1	371.3	327.3	301.9	292.1	287.2	286.3
137.5°	478.7	470.9	435.7	388.8	344.9	316.5	305.8	301.9	299.9
140°	499.2	488.5	454.3	406.4	360.5	332.2	319.5	316.5	314.6
142.5°	515.9	504.1	468.0	422.1	377.1	346.8	333.2	330.2	326.3
145°	531.5	517.8	482.6	436.7	393.7	360.5	343.9	341.0	339.0
147.5°	546.1	530.5	494.4	449.4	407.4	374.2	355.6	352.7	347.8
150°	554.0	539.3	503.2	462.1	420.1	385.9	366.4	362.5	359.5
152.5°	556.9	546.1	510.0	472.9	432.8	399.6	377.1	372.2	368.3
155°	557.9	548.1	517.8	481.7	443.6	412.3	388.8	382.0	378.1
157.5°	557.9	547.1	522.7	488.5	452.4	423.0	400.6	392.8	389.8
160°	554.9	547.1	525.6	494.4	460.2	432.8	411.3	402.5	401.5
162.5°	551.0	545.2	523.7	498.3	467.0	442.6	422.1	413.3	411.3
165°	546.1	541.3	521.7	502.2	474.8	451.4	432.8	425.0	421.1
167.5°	542.2	536.4	517.8	502.2	480.7	460.2	442.6	436.7	430.9
170°	535.4	530.5	512.9	501.2	484.6	466.0	452.4	446.5	441.6
172.5°	525.6	521.7	508.0	500.2	487.5	472.9	461.1	457.2	451.4
175°	515.9	513.9	502.2	499.2	490.5	479.7	469.9	468.0	464.1
177.5°	504.1	503.2	494.4	496.3	492.4	484.6	478.7	479.7	473.8
180°	489.5	489.5	489.5	489.5	489.5	489.5	489.5	489.5	489.5

(END OF REPORT)