

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: P275298

Luminaire Tested: **JW-WL-40L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

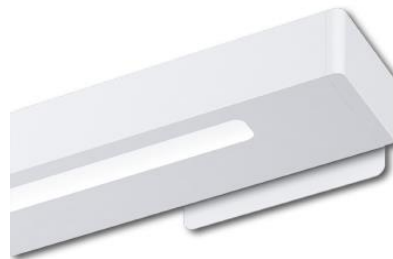
**Test Information**

Test Method: LM-79-08  
Report Number: P275298  
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-40L82765-1D-UNV-W2A-W-4 (4000K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
2700K-6500K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3975.9 lumens  
Efficiency: N/A  
Efficacy: 99.9 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

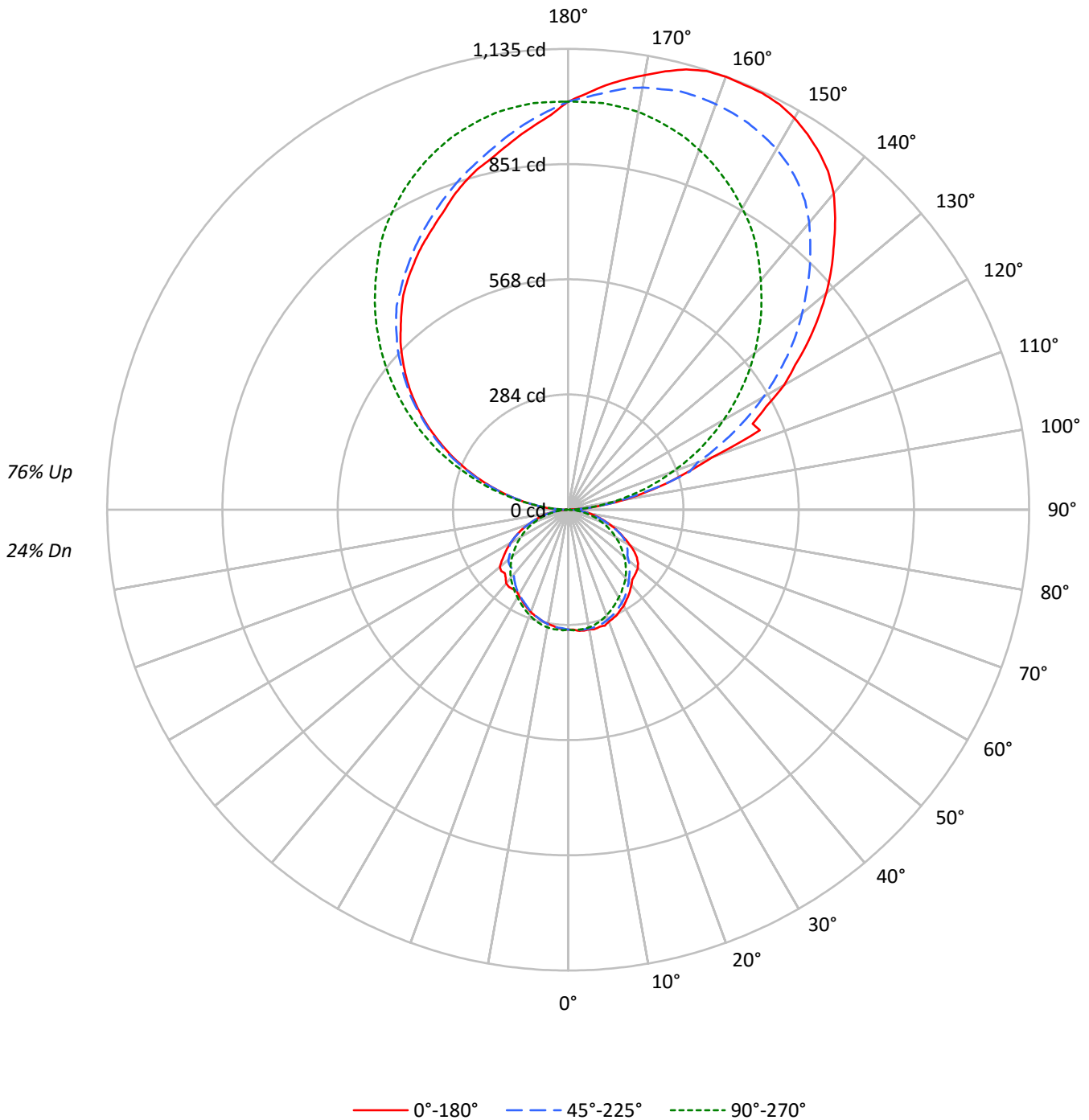
Input Watts (W): 39.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4769	4769	4769
5°	4853	4804	4739
10°	4909	4827	4679
15°	4988	4804	4637
20°	5041	4749	4613
25°	5084	4694	4570
30°	5099	4652	4540
35°	5095	4622	4701
40°	5111	4628	5006
45°	5263	4580	5037
50°	5616	4511	5516
55°	5816	4439	5393
60°	5703	4350	5254
65°	5452	4271	5146
70°	5278	4098	4853
75°	5103	3861	4548
80°	5012	3524	4268
85°	6095	3149	4446



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.1	0.7
10°-20°	81.1	2.0
20°-30°	123.1	3.1
30°-40°	150.0	3.8
40°-50°	163.0	4.1
50°-60°	158.8	4.0
60°-70°	127.6	3.2
70°-80°	78.4	2.0
80°-90°	27.5	0.7
90°-100°	56.9	1.4
100°-110°	217.9	5.5
110°-120°	383.8	9.7
120°-130°	499.9	12.6
130°-140°	551.6	13.9
140°-150°	527.6	13.3
150°-160°	428.4	10.8
160°-170°	276.8	7.0
170°-180°	95.4	2.4
0°-30°	232.3	5.8
0°-40°	382.3	9.6
0°-60°	704.1	17.7
0°-90°	937.5	23.6
90°-120°	658.6	16.6
90°-150°	2237.7	56.3
90°-180°	3038.0	76.4
0°-180°	3975.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	295	295	295	295	295	
5°	299	297	296	291	292	29
15°	298	294	287	277	277	85
25°	285	277	264	254	256	131
35°	258	250	234	226	238	162
45°	230	214	201	200	221	179
55°	207	179	158	174	192	183
65°	143	142	112	133	135	142
75°	82	79	62	74	73	87
85°	33	29	17	23	24	31
90°	6	6	2	4	3	6
95°	46	46	44	49	53	57
105°	252	250	192	175	174	265
115°	501	447	360	325	319	509
125°	721	658	522	467	460	644
135°	925	841	671	597	584	714
145°	1076	985	804	704	690	672
155°	1132	1050	904	795	775	522
165°	1123	1067	973	882	867	318
175°	1049	1031	1005	967	950	101
180°	1005	1005	1005	1005	1005	



TEST NUMBER: P275298

CATALOG NUMBER: JW-WL-40L82765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4
2.5°	295.4	297.4	296.4	296.4	297.4	295.4	292.4	294.4	295.4
5°	299.4	299.4	297.4	296.4	296.4	293.4	291.4	291.4	292.4
7.5°	300.4	301.4	297.4	296.4	296.4	292.4	290.4	288.4	288.4
10°	299.4	301.4	297.4	295.4	294.4	289.4	286.4	285.4	285.4
12.5°	301.4	300.4	296.4	294.4	291.4	286.4	282.4	281.4	282.4
15°	298.4	300.4	294.4	290.4	287.4	283.4	277.4	277.4	277.4
17.5°	299.4	297.4	291.4	287.4	282.4	278.4	272.5	273.5	273.5
20°	293.4	295.4	287.4	282.4	276.4	272.5	267.5	267.5	268.5
22.5°	289.4	290.4	282.4	277.4	270.5	266.5	260.5	261.5	262.5
25°	285.4	284.4	277.4	271.5	263.5	258.5	253.5	255.5	256.5
27.5°	278.4	278.4	270.5	264.5	256.5	251.5	247.5	249.5	249.5
30°	273.5	271.5	264.5	257.5	249.5	244.5	241.5	241.5	243.5
32.5°	265.5	263.5	257.5	249.5	242.5	236.5	234.5	234.5	236.5
35°	258.5	255.5	249.5	241.5	234.5	228.5	226.5	227.5	238.5
37.5°	250.5	247.5	240.5	233.5	227.5	219.6	217.6	228.5	239.5
40°	242.5	239.5	231.5	225.5	219.6	211.6	208.6	230.5	237.5
42.5°	233.5	231.5	222.6	216.6	210.6	204.6	201.6	226.5	227.5
45°	230.5	222.6	213.6	206.6	200.6	194.6	199.6	216.6	220.6
47.5°	227.5	219.6	205.6	197.6	190.6	184.6	197.6	209.6	223.6
50°	223.6	215.6	193.6	187.6	179.6	175.6	192.6	210.6	219.6
52.5°	216.6	210.6	183.6	176.6	168.7	165.7	181.6	205.6	205.6
55°	206.6	201.6	178.6	165.7	157.7	153.7	173.7	191.6	191.6
57.5°	193.6	190.6	171.7	152.7	146.7	142.7	171.7	177.6	178.6
60°	176.6	175.6	164.7	139.7	134.7	132.7	164.7	162.7	162.7
62.5°	159.7	158.7	154.7	127.7	123.8	125.7	148.7	147.7	148.7
65°	142.7	143.7	141.7	115.8	111.8	117.8	132.7	133.7	134.7
67.5°	127.7	126.7	125.7	102.8	98.8	105.8	118.8	118.8	118.8
70°	111.8	110.8	108.8	94.8	86.8	96.8	102.8	103.8	102.8
72.5°	96.8	95.8	92.8	84.8	75.8	87.8	88.8	87.8	87.8
75°	81.8	81.8	78.8	73.9	61.9	73.9	73.9	73.9	72.9
77.5°	67.9	66.9	63.9	59.9	49.9	58.9	57.9	59.9	59.9
80°	53.9	53.9	51.9	44.9	37.9	44.9	45.9	46.9	45.9
82.5°	42.9	42.9	38.9	32.9	25.9	30.9	32.9	34.9	33.9
85°	32.9	31.9	28.9	23.0	17.0	20.0	23.0	24.0	24.0
87.5°	23.0	23.0	21.0	16.0	8.0	13.0	15.0	14.0	12.0
90°	6.0	6.0	6.0	4.0	2.0	4.0	4.0	4.0	3.0
92.5°	12.0	13.0	16.0	17.0	17.0	21.0	26.9	28.9	27.9
95°	45.9	46.9	45.9	45.9	43.9	44.9	48.9	50.9	52.9
97.5°	89.8	87.8	86.8	83.8	74.8	73.9	74.8	76.8	78.8
100°	138.7	134.7	131.7	132.7	110.8	107.8	105.8	105.8	108.8
102.5°	190.6	192.6	180.6	166.7	150.7	143.7	138.7	139.7	139.7
105°	251.5	243.5	249.5	210.6	191.6	182.6	174.6	174.6	173.7
107.5°	306.4	300.4	314.4	258.5	232.5	222.6	213.6	209.6	208.6
110°	378.2	432.1	338.3	304.4	273.5	260.5	250.5	246.5	245.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	511.0	450.1	392.2	356.3	317.4	299.4	287.4	285.4	281.4
115°	501.0	479.0	447.1	402.2	360.3	338.3	325.3	320.4	319.4
117.5°	548.9	537.9	502.0	451.1	401.2	373.3	361.3	355.3	354.3
120°	613.8	597.8	554.9	498.0	442.1	412.2	396.2	392.2	390.2
122.5°	662.7	653.7	605.8	545.9	482.0	447.1	430.1	426.1	426.1
125°	720.6	709.6	657.7	589.8	522.0	481.0	467.1	461.1	460.1
127.5°	776.4	759.5	706.6	637.7	560.9	516.0	500.0	492.0	493.0
130°	829.3	812.4	751.5	680.6	598.8	548.9	532.9	524.9	523.9
132.5°	879.2	856.3	795.4	719.6	634.7	582.8	566.9	553.9	553.9
135°	925.1	904.2	841.3	754.5	670.7	614.8	596.8	585.8	583.8
137.5°	973.0	944.1	882.2	789.4	704.6	649.7	627.7	615.8	609.8
140°	1017.0	985.0	923.1	826.3	737.5	678.6	656.7	643.7	638.7
142.5°	1050.9	1021.0	958.1	859.3	770.5	709.6	678.6	671.7	666.7
145°	1075.8	1051.9	985.0	890.2	804.4	739.5	703.6	697.6	689.6
147.5°	1096.8	1077.8	1008.0	918.2	832.3	766.5	726.5	721.6	711.6
150°	1113.8	1092.8	1025.9	946.1	857.3	793.4	750.5	742.5	734.5
152.5°	1125.7	1108.8	1038.9	970.1	882.2	820.4	773.4	762.5	754.5
155°	1131.7	1114.8	1049.9	986.0	904.2	844.3	795.4	784.4	775.4
157.5°	1132.7	1116.8	1057.9	1002.0	925.1	864.3	818.4	805.4	797.4
160°	1134.7	1114.8	1062.9	1009.0	943.1	887.2	840.3	825.3	823.3
162.5°	1132.7	1109.8	1065.9	1017.0	960.1	906.2	862.3	848.3	846.3
165°	1122.7	1103.8	1066.9	1022.9	973.0	927.1	882.2	870.3	867.3
167.5°	1105.8	1094.8	1060.9	1024.9	985.0	943.1	903.2	892.2	884.2
170°	1086.8	1083.8	1055.9	1025.9	995.0	959.1	925.1	914.2	905.2
172.5°	1068.9	1067.9	1045.9	1024.9	1000.0	971.1	947.1	935.1	928.1
175°	1048.9	1047.9	1030.9	1022.9	1005.0	982.0	967.1	958.1	950.1
177.5°	1025.9	1027.9	1017.0	1021.0	1005.0	994.0	986.0	981.0	973.0
180°	1005.0	1005.0	1005.0	1005.0	1005.0	1005.0	1005.0	1005.0	1005.0

(END OF REPORT)