

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: P253618

Luminaire Tested: **JW-WL-20L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253618  
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-20L93050-1D-UNV-W2A-W-4 (3000K)  
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.  
3000K-5000K CCT VividTune LIGHT ENGINE.  
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1558.0 lumens  
Efficiency: N/A  
Efficacy: 87.0 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

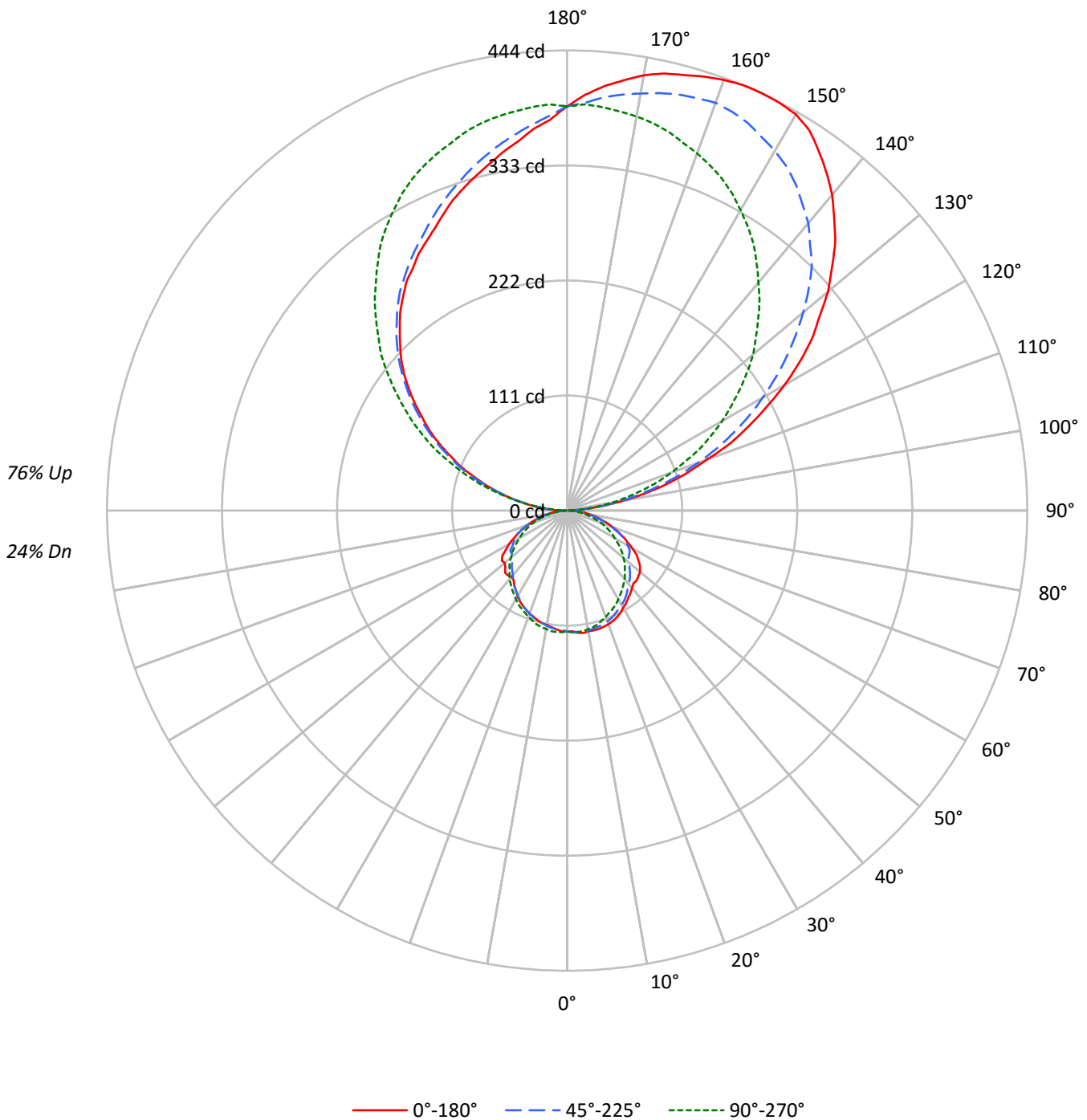
Input Watts (W): 17.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1884	1884	1884
5°	1917	1904	1867
10°	1940	1902	1838
15°	1977	1899	1834
20°	2005	1873	1820
25°	2024	1858	1803
30°	2017	1842	1784
35°	2024	1825	1748
40°	2051	1821	1756
45°	2169	1795	1936
50°	2306	1778	1974
55°	2367	1754	2148
60°	2338	1708	2086
65°	2262	1696	1990
70°	2205	1652	1912
75°	2133	1503	1797
80°	2166	1376	1664
85°	2594	1297	1723



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.1	0.7
10°-20°	32.0	2.1
20°-30°	48.7	3.1
30°-40°	59.0	3.8
40°-50°	63.6	4.1
50°-60°	62.6	4.0
60°-70°	50.9	3.3
70°-80°	31.5	2.0
80°-90°	11.1	0.7
90°-100°	22.4	1.4
100°-110°	84.6	5.4
110°-120°	149.5	9.6
120°-130°	196.2	12.6
130°-140°	216.4	13.9
140°-150°	206.2	13.2
150°-160°	167.2	10.7
160°-170°	107.8	6.9
170°-180°	37.1	2.4
0°-30°	91.8	5.9
0°-40°	150.9	9.7
0°-60°	277.1	17.8
0°-90°	370.7	23.8
90°-120°	256.5	16.5
90°-150°	875.2	56.2
90°-180°	1187.0	76.2
0°-180°	1558.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	117	117	117	117	117	
5°	118	118	118	114	115	11
15°	118	116	114	110	110	33
25°	114	110	104	101	101	52
35°	103	100	93	89	89	65
45°	95	86	79	76	85	73
55°	84	73	62	67	76	75
65°	59	58	44	53	52	59
75°	34	33	24	29	29	37
85°	14	12	7	9	9	13
90°	1	1	1	2	2	2
95°	16	19	16	20	22	22
105°	100	92	74	68	69	105
115°	194	177	141	128	124	192
125°	288	258	203	183	179	256
135°	366	334	261	233	228	281
145°	423	384	314	274	270	265
155°	444	412	353	310	301	205
165°	435	416	378	345	336	124
175°	411	400	391	374	370	40
180°	390	390	390	390	390	



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CATALOG NUMBER: JW-WL-20L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7
2.5°	116.7	117.5	117.5	117.5	117.5	117.5	115.2	116.0	116.7
5°	118.3	118.3	118.3	117.5	117.5	116.7	114.4	115.2	115.2
7.5°	119.1	119.1	118.3	117.5	117.5	116.7	114.4	114.4	113.6
10°	118.3	119.1	117.5	117.5	116.0	115.2	112.9	112.9	112.1
12.5°	118.3	119.1	116.7	116.0	115.2	112.9	111.3	111.3	111.3
15°	118.3	119.1	116.0	115.2	113.6	111.3	109.7	109.7	109.7
17.5°	117.5	117.5	115.2	112.9	111.3	109.0	108.2	108.2	107.4
20°	116.7	116.7	113.6	111.3	109.0	106.6	105.9	105.9	105.9
22.5°	115.2	115.2	112.1	109.7	106.6	104.3	103.5	103.5	103.5
25°	113.6	112.9	109.7	107.4	104.3	102.0	101.2	100.4	101.2
27.5°	111.3	110.5	107.4	104.3	102.0	99.6	98.1	98.1	98.8
30°	108.2	108.2	105.1	102.0	98.8	96.5	95.0	95.0	95.7
32.5°	105.9	105.9	102.7	98.8	95.7	94.2	91.8	91.8	91.8
35°	102.7	102.7	99.6	95.7	92.6	90.3	88.7	88.7	88.7
37.5°	100.4	100.4	95.7	92.6	89.5	87.2	84.8	84.8	84.8
40°	97.3	96.5	92.6	89.5	86.4	84.1	81.7	81.7	83.3
42.5°	95.0	92.6	89.5	86.4	82.5	80.2	78.6	80.2	84.8
45°	95.0	90.3	85.6	82.5	78.6	76.3	75.5	80.9	84.8
47.5°	93.4	90.3	81.7	78.6	75.5	72.4	71.6	80.9	80.9
50°	91.8	88.7	77.1	73.9	70.8	68.5	68.5	77.1	78.6
52.5°	88.7	86.4	74.7	70.0	66.9	64.6	67.7	73.9	79.4
55°	84.1	83.3	73.2	65.4	62.3	59.9	66.9	74.7	76.3
57.5°	79.4	79.4	71.6	59.9	57.6	56.0	62.3	70.8	70.0
60°	72.4	73.2	67.7	56.0	52.9	51.4	59.2	64.6	64.6
62.5°	65.4	66.2	63.8	51.4	49.0	46.7	58.4	58.4	58.4
65°	59.2	59.2	58.4	46.7	44.4	42.0	52.9	52.1	52.1
67.5°	52.9	52.9	51.4	42.0	39.7	39.7	46.7	46.7	45.9
70°	46.7	46.7	45.1	38.9	35.0	36.6	41.3	40.5	40.5
72.5°	40.5	40.5	38.9	35.0	29.6	31.9	34.2	34.2	35.0
75°	34.2	35.0	32.7	30.4	24.1	28.8	28.8	28.8	28.8
77.5°	28.8	28.8	26.5	24.1	19.5	23.3	22.6	23.3	23.3
80°	23.3	23.3	21.8	18.7	14.8	17.9	17.9	17.9	17.9
82.5°	17.9	17.9	16.3	14.0	10.1	12.5	13.2	13.2	13.2
85°	14.0	14.0	12.5	9.3	7.0	7.8	9.3	9.3	9.3
87.5°	10.1	10.1	8.6	6.2	3.9	5.4	5.4	4.7	4.7
90°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	0.8	1.6
92.5°	3.9	3.9	4.7	6.2	6.2	9.3	10.9	12.5	12.5
95°	16.3	17.1	18.7	17.9	16.3	18.7	20.2	21.8	21.8
97.5°	35.0	35.8	34.2	31.9	28.8	29.6	29.6	31.9	32.7
100°	55.3	54.5	52.1	49.0	43.6	42.0	41.3	42.8	42.8
102.5°	77.8	76.3	70.8	65.4	58.4	55.3	55.3	54.5	55.3
105°	100.4	98.1	91.8	82.5	73.9	70.8	68.5	67.7	69.3
107.5°	121.4	120.6	112.9	101.2	91.1	85.6	84.1	82.5	82.5
110°	143.2	141.7	133.9	119.1	106.6	101.2	98.8	96.5	95.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	171.2	166.6	155.7	139.3	123.0	117.5	113.6	111.3	111.3
115°	193.8	189.1	176.7	158.8	140.9	132.3	127.6	125.3	123.8
117.5°	217.2	212.5	197.7	177.5	156.4	147.9	141.7	140.9	138.5
120°	242.1	235.8	217.9	196.1	172.8	161.1	155.7	154.1	152.6
122.5°	265.4	257.6	238.2	213.3	187.6	174.3	168.9	167.3	165.0
125°	288.0	278.6	258.4	231.9	203.1	188.4	182.9	180.6	179.0
127.5°	306.7	300.4	277.9	249.1	218.7	201.6	195.4	193.0	192.2
130°	328.5	319.9	297.3	264.6	234.3	214.8	208.6	204.7	205.5
132.5°	346.4	339.3	316.0	281.0	246.7	227.3	221.0	217.2	217.2
135°	365.8	358.0	333.9	295.8	260.7	240.5	232.7	228.8	228.0
137.5°	381.4	375.2	347.1	309.8	274.7	252.2	243.6	240.5	238.9
140°	397.7	389.2	361.9	323.8	287.2	264.6	254.5	252.2	250.6
142.5°	411.0	401.6	372.8	336.2	300.4	276.3	265.4	263.1	260.0
145°	423.4	412.5	384.5	347.9	313.7	287.2	274.0	271.6	270.1
147.5°	435.1	422.6	393.8	358.0	324.6	298.1	283.3	281.0	277.1
150°	441.3	429.6	400.8	368.1	334.7	307.4	291.9	288.8	286.4
152.5°	443.6	435.1	406.3	376.7	344.8	318.3	300.4	296.5	293.4
155°	444.4	436.6	412.5	383.7	353.4	328.5	309.8	304.3	301.2
157.5°	444.4	435.9	416.4	389.2	360.4	337.0	319.1	312.9	310.5
160°	442.1	435.9	418.7	393.8	366.6	344.8	327.7	320.7	319.9
162.5°	439.0	434.3	417.2	396.9	372.0	352.6	336.2	329.2	327.7
165°	435.1	431.2	415.6	400.1	378.3	359.6	344.8	338.6	335.5
167.5°	432.0	427.3	412.5	400.1	382.9	366.6	352.6	347.9	343.2
170°	426.5	422.6	408.6	399.3	386.0	371.3	360.4	355.7	351.8
172.5°	418.7	415.6	404.7	398.5	388.4	376.7	367.4	364.3	359.6
175°	411.0	409.4	400.1	397.7	390.7	382.2	374.4	372.8	369.7
177.5°	401.6	400.8	393.8	395.4	392.3	386.0	381.4	382.2	377.5
180°	389.9	389.9	389.9	389.9	389.9	389.9	389.9	389.9	389.9

(END OF REPORT)