

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: P253621

Luminaire Tested: **JW-WL-20L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253621
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 (4500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1869.6 lumens
Efficiency: N/A
Efficacy: 102.7 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

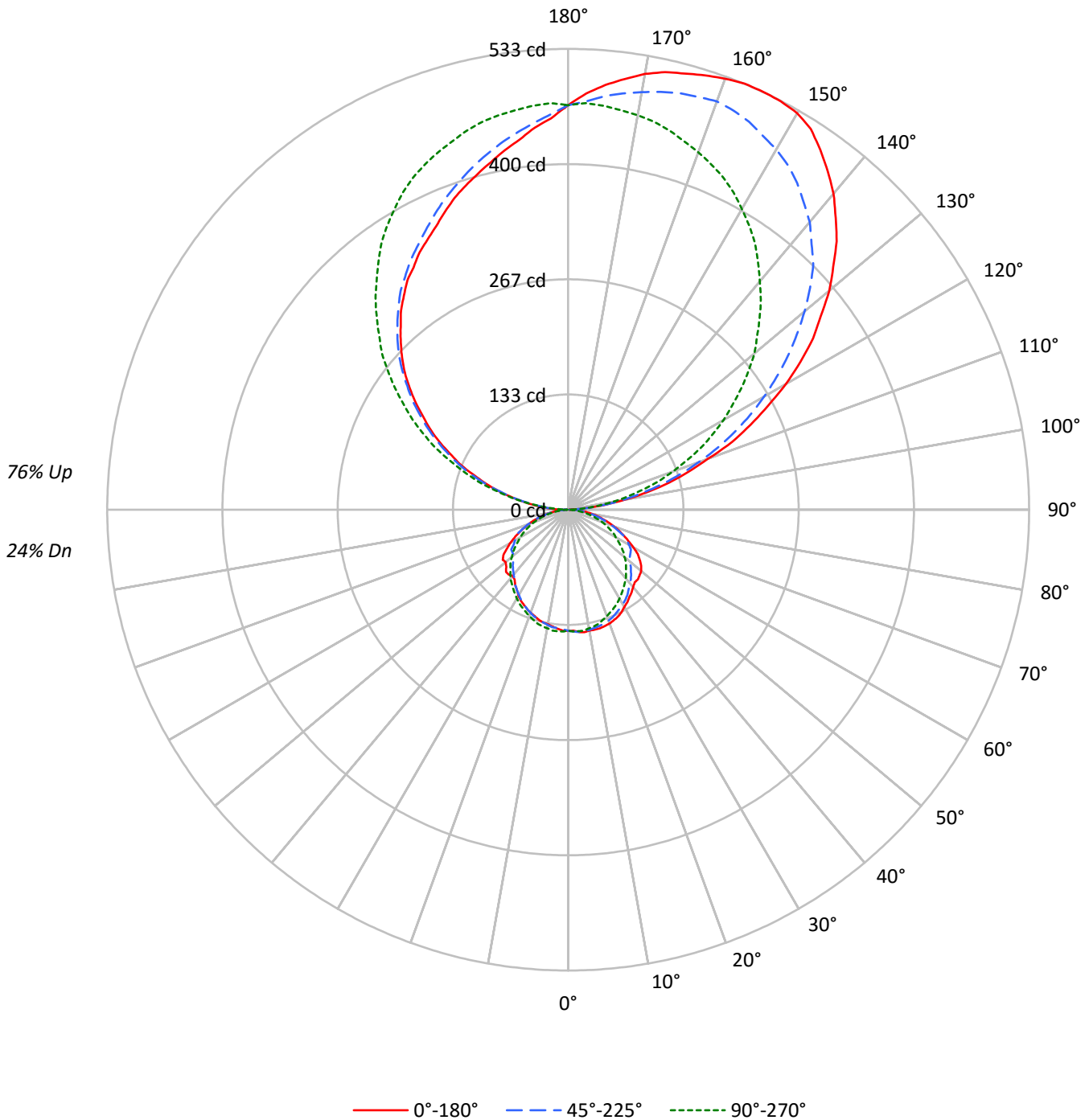
Input Watts (W): 18.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2262	2262	2262
5°	2301	2285	2240
10°	2328	2282	2205
15°	2374	2280	2201
20°	2407	2247	2182
25°	2430	2230	2163
30°	2420	2211	2142
35°	2430	2190	2099
40°	2460	2186	2106
45°	2601	2153	2324
50°	2768	2135	2369
55°	2840	2103	2576
60°	2806	2051	2503
65°	2713	2032	2392
70°	2644	1983	2294
75°	2564	1809	2158
80°	2603	1646	1999
85°	3112	1556	2075



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.7
10°-20°	38.4	2.1
20°-30°	58.4	3.1
30°-40°	70.8	3.8
40°-50°	76.3	4.1
50°-60°	75.2	4.0
60°-70°	61.1	3.3
70°-80°	37.9	2.0
80°-90°	13.3	0.7
90°-100°	26.9	1.4
100°-110°	101.5	5.4
110°-120°	179.4	9.6
120°-130°	235.4	12.6
130°-140°	259.7	13.9
140°-150°	247.4	13.2
150°-160°	200.6	10.7
160°-170°	129.4	6.9
170°-180°	44.5	2.4
0°-30°	110.2	5.9
0°-40°	181.0	9.7
0°-60°	332.6	17.8
0°-90°	444.8	23.8
90°-120°	307.8	16.5
90°-150°	1050.2	56.2
90°-180°	1425.0	76.2
0°-180°	1869.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	140	140	140	140	140	
5°	142	142	141	137	138	14
15°	142	139	136	132	132	40
25°	136	132	125	121	121	63
35°	123	120	111	106	106	77
45°	114	103	94	91	102	88
55°	101	88	75	80	92	90
65°	71	70	53	64	63	70
75°	41	39	29	35	35	44
85°	17	15	8	11	11	16
90°	1	1	1	2	2	3
95°	20	22	20	24	26	26
105°	120	110	89	82	83	126
115°	233	212	169	153	148	230
125°	346	310	244	220	215	307
135°	439	401	313	279	274	338
145°	508	461	376	329	324	318
155°	533	495	424	372	362	246
165°	522	499	454	414	402	148
175°	493	480	469	449	444	48
180°	468	468	468	468	468	



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CATALOG NUMBER: JW-WL-20L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1
2.5°	140.1	141.0	141.0	141.0	141.0	141.0	138.2	139.2	140.1
5°	142.0	142.0	142.0	141.0	141.0	140.1	137.3	138.2	138.2
7.5°	142.9	142.9	142.0	141.0	141.0	140.1	137.3	137.3	136.4
10°	142.0	142.9	141.0	141.0	139.2	138.2	135.4	135.4	134.5
12.5°	142.0	142.9	140.1	139.2	138.2	135.4	133.6	133.6	133.6
15°	142.0	142.9	139.2	138.2	136.4	133.6	131.7	131.7	131.7
17.5°	141.0	141.0	138.2	135.4	133.6	130.8	129.8	129.8	128.9
20°	140.1	140.1	136.4	133.6	130.8	128.0	127.0	127.0	127.0
22.5°	138.2	138.2	134.5	131.7	128.0	125.2	124.2	124.2	124.2
25°	136.4	135.4	131.7	128.9	125.2	122.4	121.4	120.5	121.4
27.5°	133.6	132.6	128.9	125.2	122.4	119.6	117.7	117.7	118.6
30°	129.8	129.8	126.1	122.4	118.6	115.8	113.9	113.9	114.9
32.5°	127.0	127.0	123.3	118.6	114.9	113.0	110.2	110.2	110.2
35°	123.3	123.3	119.6	114.9	111.1	108.3	106.5	106.5	106.5
37.5°	120.5	120.5	114.9	111.1	107.4	104.6	101.8	101.8	101.8
40°	116.7	115.8	111.1	107.4	103.7	100.9	98.1	98.1	99.9
42.5°	113.9	111.1	107.4	103.7	99.0	96.2	94.3	96.2	101.8
45°	113.9	108.3	102.7	99.0	94.3	91.5	90.6	97.1	101.8
47.5°	112.1	108.3	98.1	94.3	90.6	86.9	85.9	97.1	97.1
50°	110.2	106.5	92.5	88.7	85.0	82.2	82.2	92.5	94.3
52.5°	106.5	103.7	89.7	84.1	80.3	77.5	81.3	88.7	95.3
55°	100.9	99.9	87.8	78.5	74.7	71.9	80.3	89.7	91.5
57.5°	95.3	95.3	85.9	71.9	69.1	67.2	74.7	85.0	84.1
60°	86.9	87.8	81.3	67.2	63.5	61.6	71.0	77.5	77.5
62.5°	78.5	79.4	76.6	61.6	58.8	56.0	70.0	70.0	70.0
65°	71.0	71.0	70.0	56.0	53.2	50.4	63.5	62.6	62.6
67.5°	63.5	63.5	61.6	50.4	47.6	47.6	56.0	56.0	55.1
70°	56.0	56.0	54.2	46.7	42.0	43.9	49.5	48.6	48.6
72.5°	48.6	48.6	46.7	42.0	35.5	38.3	41.1	41.1	42.0
75°	41.1	42.0	39.2	36.4	29.0	34.6	34.6	34.6	34.6
77.5°	34.6	34.6	31.8	29.0	23.3	28.0	27.1	28.0	28.0
80°	28.0	28.0	26.2	22.4	17.7	21.5	21.5	21.5	21.5
82.5°	21.5	21.5	19.6	16.8	12.1	14.9	15.9	15.9	15.9
85°	16.8	16.8	14.9	11.2	8.4	9.3	11.2	11.2	11.2
87.5°	12.1	12.1	10.3	7.5	4.7	6.5	6.5	5.6	5.6
90°	0.9	0.9	0.9	0.9	0.9	0.9	1.9	0.9	1.9
92.5°	4.7	4.7	5.6	7.5	7.5	11.2	13.1	14.9	14.9
95°	19.6	20.5	22.4	21.5	19.6	22.4	24.3	26.2	26.2
97.5°	42.0	43.0	41.1	38.3	34.6	35.5	35.5	38.3	39.2
100°	66.3	65.4	62.6	58.8	52.3	50.4	49.5	51.4	51.4
102.5°	93.4	91.5	85.0	78.5	70.0	66.3	66.3	65.4	66.3
105°	120.5	117.7	110.2	99.0	88.7	85.0	82.2	81.3	83.1
107.5°	145.7	144.8	135.4	121.4	109.3	102.7	100.9	99.0	99.0
110°	171.9	170.0	160.6	142.9	128.0	121.4	118.6	115.8	114.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	205.5	199.9	186.8	167.2	147.6	141.0	136.4	133.6	133.6
115°	232.6	227.0	212.0	190.5	169.1	158.8	153.2	150.4	148.5
117.5°	260.6	255.0	237.2	212.9	187.7	177.5	170.0	169.1	166.2
120°	290.5	283.0	261.5	235.4	207.3	193.3	186.8	184.9	183.1
122.5°	318.5	309.1	285.8	255.9	225.1	209.2	202.7	200.8	198.0
125°	345.6	334.4	310.1	278.3	243.8	226.0	219.5	216.7	214.8
127.5°	368.0	360.5	333.4	298.9	262.5	241.9	234.4	231.6	230.7
130°	394.1	383.9	356.8	317.6	281.1	257.8	250.3	245.6	246.6
132.5°	415.6	407.2	379.2	337.2	296.1	272.7	265.3	260.6	260.6
135°	439.0	429.6	400.7	354.9	312.9	288.6	279.3	274.6	273.7
137.5°	457.7	450.2	416.6	371.7	329.7	302.6	292.3	288.6	286.7
140°	477.3	467.0	434.3	388.5	344.6	317.6	305.4	302.6	300.7
142.5°	493.1	481.9	447.4	403.5	360.5	331.6	318.5	315.7	312.0
145°	508.1	495.0	461.4	417.5	376.4	344.6	328.8	326.0	324.1
147.5°	522.1	507.2	472.6	429.6	389.5	357.7	340.0	337.2	332.5
150°	529.6	515.6	481.0	441.8	401.6	368.9	350.2	346.5	343.7
152.5°	532.4	522.1	487.5	452.0	413.8	382.0	360.5	355.8	352.1
155°	533.3	524.0	495.0	460.5	424.0	394.1	371.7	365.2	361.5
157.5°	533.3	523.0	499.7	467.0	432.4	404.4	382.9	375.5	372.7
160°	530.5	523.0	502.5	472.6	439.9	413.8	393.2	384.8	383.9
162.5°	526.8	521.2	500.6	476.3	446.4	423.1	403.5	395.1	393.2
165°	522.1	517.4	498.7	480.1	453.9	431.5	413.8	406.3	402.5
167.5°	518.4	512.8	495.0	480.1	459.5	439.9	423.1	417.5	411.9
170°	511.8	507.2	490.3	479.1	463.3	445.5	432.4	426.8	422.2
172.5°	502.5	498.7	485.7	478.2	466.1	452.0	440.8	437.1	431.5
175°	493.1	491.3	480.1	477.3	468.9	458.6	449.2	447.4	443.6
177.5°	481.9	481.0	472.6	474.5	470.7	463.3	457.7	458.6	453.0
180°	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9

(END OF REPORT)