

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: P275275

Luminaire Tested: **JW-WL-20L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

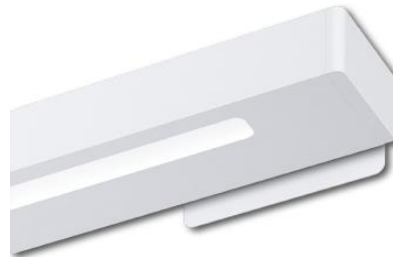
Test Information

Test Method: LM-79-08
Report Number: P275275
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-20L92765-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1813.6 lumens
Efficiency: N/A
Efficacy: 101.9 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

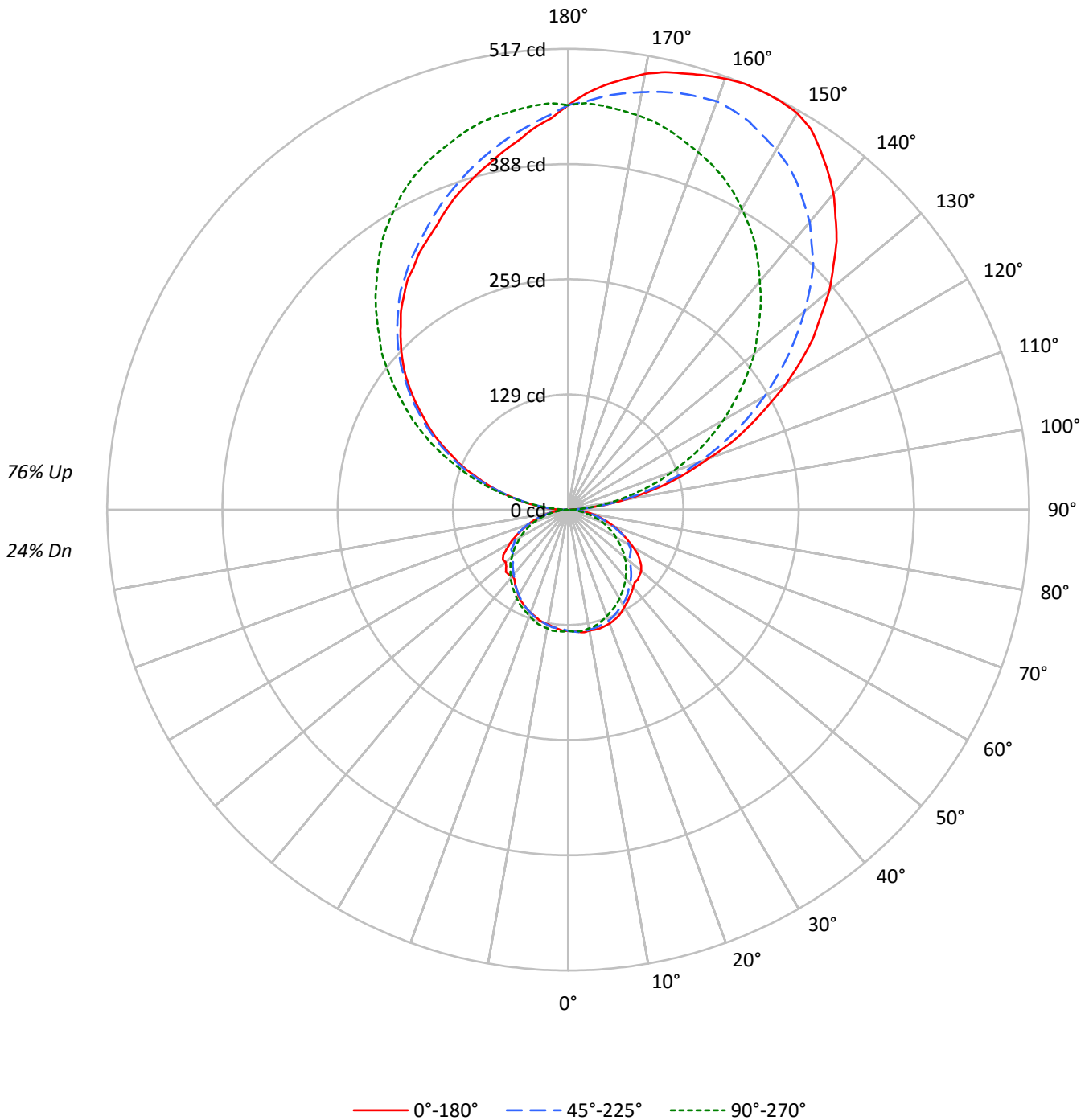
Input Watts (W): 17.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2194	2194	2194
5°	2232	2217	2173
10°	2258	2213	2140
15°	2302	2211	2135
20°	2335	2179	2117
25°	2357	2163	2099
30°	2347	2146	2077
35°	2357	2125	2036
40°	2388	2120	2042
45°	2523	2089	2256
50°	2685	2070	2298
55°	2753	2041	2500
60°	2722	1989	2428
65°	2632	1971	2319
70°	2568	1926	2223
75°	2489	1753	2090
80°	2529	1599	1934
85°	3020	1519	2019



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.7
10°-20°	37.3	2.1
20°-30°	56.7	3.1
30°-40°	68.7	3.8
40°-50°	74.1	4.1
50°-60°	72.9	4.0
60°-70°	59.3	3.3
70°-80°	36.7	2.0
80°-90°	12.9	0.7
90°-100°	26.0	1.4
100°-110°	98.4	5.4
110°-120°	174.0	9.6
120°-130°	228.3	12.6
130°-140°	251.9	13.9
140°-150°	240.0	13.2
150°-160°	194.6	10.7
160°-170°	125.5	6.9
170°-180°	43.2	2.4
0°-30°	106.9	5.9
0°-40°	175.6	9.7
0°-60°	322.6	17.8
0°-90°	431.5	23.8
90°-120°	298.5	16.5
90°-150°	1018.7	56.2
90°-180°	1382.0	76.2
0°-180°	1813.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	136	136	136	136	136	
5°	138	138	137	133	134	13
15°	138	135	132	128	128	39
25°	132	128	121	118	118	61
35°	120	116	108	103	103	75
45°	110	100	92	88	99	85
55°	98	85	72	78	89	87
65°	69	68	52	62	61	68
75°	40	38	28	34	34	43
85°	16	14	8	11	11	15
90°	1	1	1	2	2	2
95°	19	22	19	24	25	26
105°	117	107	86	80	81	122
115°	226	206	164	149	144	223
125°	335	301	236	213	208	298
135°	426	389	304	271	266	327
145°	493	448	365	319	314	308
155°	517	480	411	361	351	239
165°	506	484	440	401	390	144
175°	478	466	455	436	430	46
180°	454	454	454	454	454	



TEST NUMBER: P275275

CATALOG NUMBER: JW-WL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9
2.5°	135.9	136.8	136.8	136.8	136.8	136.8	134.1	135.0	135.9
5°	137.7	137.7	137.7	136.8	136.8	135.9	133.2	134.1	134.1
7.5°	138.6	138.6	137.7	136.8	136.8	135.9	133.2	133.2	132.3
10°	137.7	138.6	136.8	136.8	135.0	134.1	131.4	131.4	130.5
12.5°	137.7	138.6	135.9	135.0	134.1	131.4	129.6	129.6	129.6
15°	137.7	138.6	135.0	134.1	132.3	129.6	127.7	127.7	127.7
17.5°	136.8	136.8	134.1	131.4	129.6	126.8	125.9	125.9	125.0
20°	135.9	135.9	132.3	129.6	126.8	124.1	123.2	123.2	123.2
22.5°	134.1	134.1	130.5	127.7	124.1	121.4	120.5	120.5	120.5
25°	132.3	131.4	127.7	125.0	121.4	118.7	117.8	116.9	117.8
27.5°	129.6	128.7	125.0	121.4	118.7	116.0	114.2	114.2	115.1
30°	125.9	125.9	122.3	118.7	115.1	112.3	110.5	110.5	111.4
32.5°	123.2	123.2	119.6	115.1	111.4	109.6	106.9	106.9	106.9
35°	119.6	119.6	116.0	111.4	107.8	105.1	103.3	103.3	103.3
37.5°	116.9	116.9	111.4	107.8	104.2	101.5	98.8	98.8	98.8
40°	113.3	112.3	107.8	104.2	100.6	97.8	95.1	95.1	96.9
42.5°	110.5	107.8	104.2	100.6	96.0	93.3	91.5	93.3	98.8
45°	110.5	105.1	99.7	96.0	91.5	88.8	87.9	94.2	98.8
47.5°	108.7	105.1	95.1	91.5	87.9	84.3	83.4	94.2	94.2
50°	106.9	103.3	89.7	86.1	82.4	79.7	79.7	89.7	91.5
52.5°	103.3	100.6	87.0	81.5	77.9	75.2	78.8	86.1	92.4
55°	97.8	96.9	85.2	76.1	72.5	69.8	77.9	87.0	88.8
57.5°	92.4	92.4	83.4	69.8	67.0	65.2	72.5	82.4	81.5
60°	84.3	85.2	78.8	65.2	61.6	59.8	68.9	75.2	75.2
62.5°	76.1	77.0	74.3	59.8	57.1	54.4	68.0	68.0	68.0
65°	68.9	68.9	68.0	54.4	51.6	48.9	61.6	60.7	60.7
67.5°	61.6	61.6	59.8	48.9	46.2	46.2	54.4	54.4	53.5
70°	54.4	54.4	52.5	45.3	40.8	42.6	48.0	47.1	47.1
72.5°	47.1	47.1	45.3	40.8	34.4	37.1	39.9	39.9	40.8
75°	39.9	40.8	38.1	35.3	28.1	33.5	33.5	33.5	33.5
77.5°	33.5	33.5	30.8	28.1	22.7	27.2	26.3	27.2	27.2
80°	27.2	27.2	25.4	21.7	17.2	20.8	20.8	20.8	20.8
82.5°	20.8	20.8	19.0	16.3	11.8	14.5	15.4	15.4	15.4
85°	16.3	16.3	14.5	10.9	8.2	9.1	10.9	10.9	10.9
87.5°	11.8	11.8	10.0	7.2	4.5	6.3	6.3	5.4	5.4
90°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	0.9	1.8
92.5°	4.5	4.5	5.4	7.2	7.2	10.9	12.7	14.5	14.5
95°	19.0	19.9	21.7	20.8	19.0	21.7	23.6	25.4	25.4
97.5°	40.8	41.7	39.9	37.1	33.5	34.4	34.4	37.1	38.1
100°	64.3	63.4	60.7	57.1	50.7	48.9	48.0	49.8	49.8
102.5°	90.6	88.8	82.4	76.1	68.0	64.3	64.3	63.4	64.3
105°	116.9	114.2	106.9	96.0	86.1	82.4	79.7	78.8	80.6
107.5°	141.3	140.4	131.4	117.8	106.0	99.7	97.8	96.0	96.0
110°	166.7	164.9	155.8	138.6	124.1	117.8	115.1	112.3	111.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	199.3	193.9	181.2	162.2	143.1	136.8	132.3	129.6	129.6
115°	225.6	220.2	205.7	184.8	164.0	154.0	148.6	145.9	144.1
117.5°	252.8	247.3	230.1	206.6	182.1	172.1	164.9	164.0	161.3
120°	281.8	274.5	253.7	228.3	201.1	187.5	181.2	179.4	177.6
122.5°	308.9	299.9	277.2	248.2	218.3	202.9	196.6	194.8	192.1
125°	335.2	324.3	300.8	270.0	236.5	219.3	212.9	210.2	208.4
127.5°	357.0	349.7	323.4	289.9	254.6	234.7	227.4	224.7	223.8
130°	382.3	372.4	346.1	308.0	272.7	250.1	242.8	238.3	239.2
132.5°	403.2	395.0	367.8	327.1	287.2	264.6	257.3	252.8	252.8
135°	425.8	416.8	388.7	344.3	303.5	280.0	270.9	266.4	265.5
137.5°	443.9	436.7	404.1	360.6	319.8	293.5	283.6	280.0	278.1
140°	463.0	453.0	421.3	376.9	334.3	308.0	296.3	293.5	291.7
142.5°	478.4	467.5	434.0	391.4	349.7	321.6	308.9	306.2	302.6
145°	492.9	480.2	447.6	405.0	365.1	334.3	318.9	316.2	314.4
147.5°	506.5	492.0	458.4	416.8	377.8	347.0	329.8	327.1	322.5
150°	513.7	500.1	466.6	428.5	389.6	357.9	339.8	336.1	333.4
152.5°	516.4	506.5	472.9	438.5	401.4	370.6	349.7	345.2	341.6
155°	517.3	508.3	480.2	446.7	411.3	382.3	360.6	354.2	350.6
157.5°	517.3	507.4	484.7	453.0	419.5	392.3	371.5	364.2	361.5
160°	514.6	507.4	487.4	458.4	426.7	401.4	381.4	373.3	372.4
162.5°	511.0	505.5	485.6	462.1	433.1	410.4	391.4	383.2	381.4
165°	506.5	501.9	483.8	465.7	440.3	418.6	401.4	394.1	390.5
167.5°	502.8	497.4	480.2	465.7	445.8	426.7	410.4	405.0	399.5
170°	496.5	492.0	475.7	464.8	449.4	432.2	419.5	414.0	409.5
172.5°	487.4	483.8	471.1	463.9	452.1	438.5	427.6	424.0	418.6
175°	478.4	476.6	465.7	463.0	454.8	444.8	435.8	434.0	430.4
177.5°	467.5	466.6	458.4	460.2	456.6	449.4	443.9	444.8	439.4
180°	453.9	453.9	453.9	453.9	453.9	453.9	453.9	453.9	453.9

(END OF REPORT)