

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: P275273

Luminaire Tested: **JW-WL-20L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275273
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 (3500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1713.5 lumens
Efficiency: N/A
Efficacy: 97.9 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

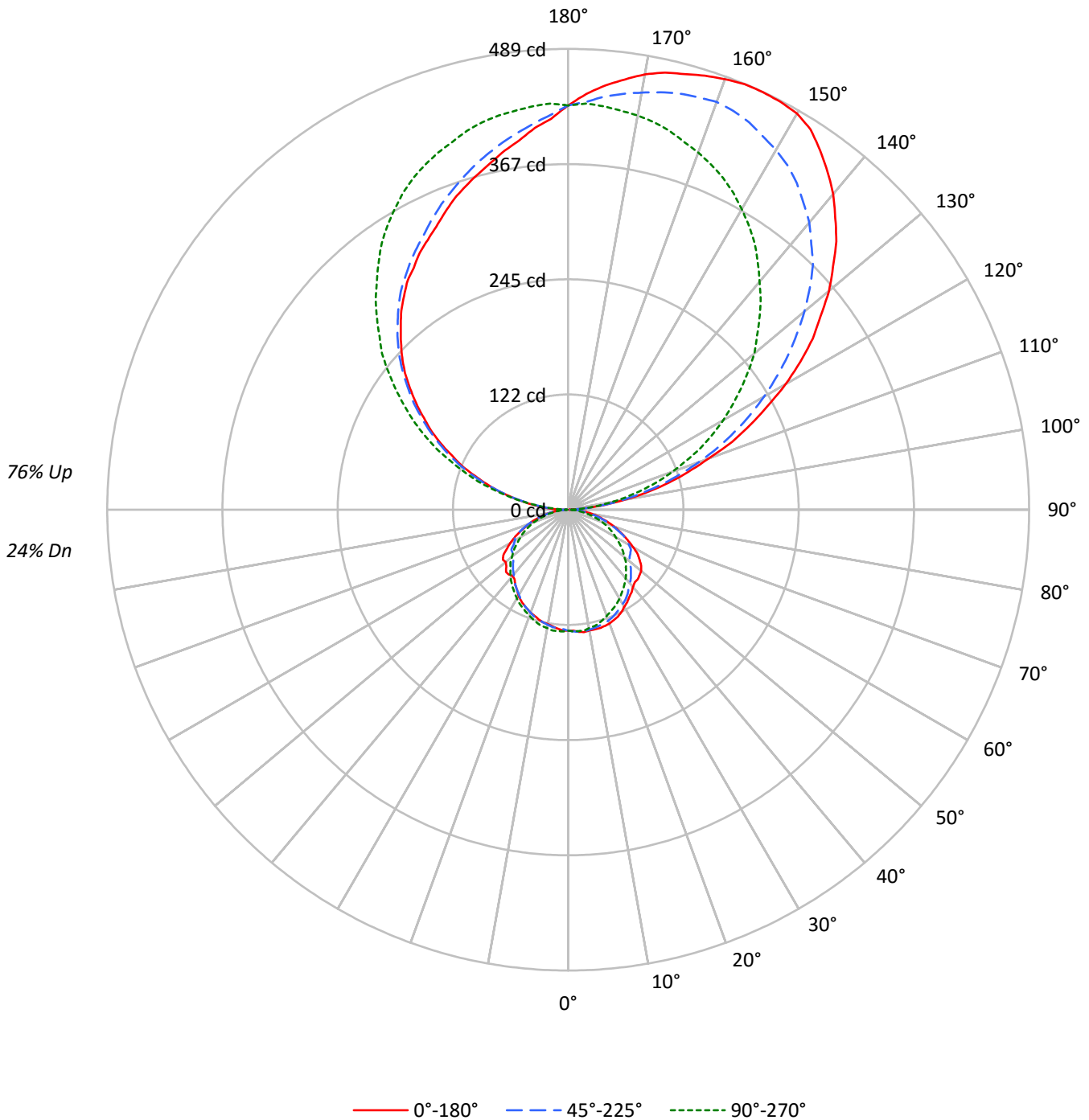
Input Watts (W): 17.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	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°	2073	2073	2073
5°	2109	2096	2053
10°	2133	2090	2021
15°	2175	2089	2018
20°	2206	2058	2000
25°	2227	2043	1983
30°	2219	2027	1963
35°	2227	2008	1924
40°	2255	2002	1931
45°	2384	1975	2130
50°	2537	1957	2173
55°	2601	1928	2362
60°	2570	1879	2293
65°	2487	1864	2193
70°	2426	1817	2101
75°	2352	1653	1978
80°	2390	1516	1832
85°	2853	1426	1908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.7
10°-20°	35.2	2.1
20°-30°	53.6	3.1
30°-40°	64.9	3.8
40°-50°	70.0	4.1
50°-60°	68.9	4.0
60°-70°	56.0	3.3
70°-80°	34.7	2.0
80°-90°	12.2	0.7
90°-100°	24.6	1.4
100°-110°	93.0	5.4
110°-120°	164.4	9.6
120°-130°	215.7	12.6
130°-140°	238.0	13.9
140°-150°	226.8	13.2
150°-160°	183.9	10.7
160°-170°	118.6	6.9
170°-180°	40.8	2.4
0°-30°	101.0	5.9
0°-40°	165.9	9.7
0°-60°	304.8	17.8
0°-90°	407.7	23.8
90°-120°	282.1	16.5
90°-150°	962.5	56.2
90°-180°	1306.0	76.2
0°-180°	1713.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	128	128	128	128	128	
5°	130	130	129	126	127	12
15°	130	128	125	121	121	37
25°	125	121	115	111	111	57
35°	113	110	102	98	98	71
45°	104	94	86	83	93	80
55°	92	80	68	74	84	82
65°	65	64	49	58	57	65
75°	38	36	26	32	32	40
85°	15	14	8	10	10	15
90°	1	1	1	2	2	2
95°	18	20	18	22	24	24
105°	110	101	81	75	76	116
115°	213	194	155	140	136	211
125°	317	284	223	201	197	282
135°	402	367	287	256	251	309
145°	466	423	345	301	297	291
155°	489	454	389	341	331	226
165°	478	457	416	379	369	136
175°	452	440	430	412	407	44
180°	429	429	429	429	429	



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CATALOG NUMBER: JW-WL-20L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
2.5°	128.4	129.3	129.3	129.3	129.3	129.3	126.7	127.5	128.4
5°	130.1	130.1	130.1	129.3	129.3	128.4	125.8	126.7	126.7
7.5°	131.0	131.0	130.1	129.3	129.3	128.4	125.8	125.8	125.0
10°	130.1	131.0	129.3	129.3	127.5	126.7	124.1	124.1	123.3
12.5°	130.1	131.0	128.4	127.5	126.7	124.1	122.4	122.4	122.4
15°	130.1	131.0	127.5	126.7	125.0	122.4	120.7	120.7	120.7
17.5°	129.3	129.3	126.7	124.1	122.4	119.8	119.0	119.0	118.1
20°	128.4	128.4	125.0	122.4	119.8	117.3	116.4	116.4	116.4
22.5°	126.7	126.7	123.3	120.7	117.3	114.7	113.8	113.8	113.8
25°	125.0	124.1	120.7	118.1	114.7	112.1	111.3	110.4	111.3
27.5°	122.4	121.6	118.1	114.7	112.1	109.6	107.9	107.9	108.7
30°	119.0	119.0	115.6	112.1	108.7	106.1	104.4	104.4	105.3
32.5°	116.4	116.4	113.0	108.7	105.3	103.6	101.0	101.0	101.0
35°	113.0	113.0	109.6	105.3	101.9	99.3	97.6	97.6	97.6
37.5°	110.4	110.4	105.3	101.9	98.4	95.9	93.3	93.3	93.3
40°	107.0	106.1	101.9	98.4	95.0	92.4	89.9	89.9	91.6
42.5°	104.4	101.9	98.4	95.0	90.7	88.2	86.5	88.2	93.3
45°	104.4	99.3	94.2	90.7	86.5	83.9	83.0	89.0	93.3
47.5°	102.7	99.3	89.9	86.5	83.0	79.6	78.8	89.0	89.0
50°	101.0	97.6	84.7	81.3	77.9	75.3	75.3	84.7	86.5
52.5°	97.6	95.0	82.2	77.0	73.6	71.0	74.5	81.3	87.3
55°	92.4	91.6	80.5	71.9	68.5	65.9	73.6	82.2	83.9
57.5°	87.3	87.3	78.8	65.9	63.3	61.6	68.5	77.9	77.0
60°	79.6	80.5	74.5	61.6	58.2	56.5	65.1	71.0	71.0
62.5°	71.9	72.8	70.2	56.5	53.9	51.4	64.2	64.2	64.2
65°	65.1	65.1	64.2	51.4	48.8	46.2	58.2	57.4	57.4
67.5°	58.2	58.2	56.5	46.2	43.7	43.7	51.4	51.4	50.5
70°	51.4	51.4	49.6	42.8	38.5	40.2	45.4	44.5	44.5
72.5°	44.5	44.5	42.8	38.5	32.5	35.1	37.7	37.7	38.5
75°	37.7	38.5	36.0	33.4	26.5	31.7	31.7	31.7	31.7
77.5°	31.7	31.7	29.1	26.5	21.4	25.7	24.8	25.7	25.7
80°	25.7	25.7	24.0	20.5	16.3	19.7	19.7	19.7	19.7
82.5°	19.7	19.7	18.0	15.4	11.1	13.7	14.6	14.6	14.6
85°	15.4	15.4	13.7	10.3	7.7	8.6	10.3	10.3	10.3
87.5°	11.1	11.1	9.4	6.8	4.3	6.0	6.0	5.1	5.1
90°	0.9	0.9	0.9	0.9	0.9	0.9	1.7	0.9	1.7
92.5°	4.3	4.3	5.1	6.8	6.8	10.3	12.0	13.7	13.7
95°	18.0	18.8	20.5	19.7	18.0	20.5	22.3	24.0	24.0
97.5°	38.5	39.4	37.7	35.1	31.7	32.5	32.5	35.1	36.0
100°	60.8	59.9	57.4	53.9	47.9	46.2	45.4	47.1	47.1
102.5°	85.6	83.9	77.9	71.9	64.2	60.8	60.8	59.9	60.8
105°	110.4	107.9	101.0	90.7	81.3	77.9	75.3	74.5	76.2
107.5°	133.5	132.7	124.1	111.3	100.2	94.2	92.4	90.7	90.7
110°	157.5	155.8	147.2	131.0	117.3	111.3	108.7	106.1	105.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	188.3	183.2	171.2	153.2	135.2	129.3	125.0	122.4	122.4
115°	213.1	208.0	194.3	174.6	154.9	145.5	140.4	137.8	136.1
117.5°	238.8	233.7	217.4	195.2	172.1	162.6	155.8	154.9	152.4
120°	266.2	259.4	239.7	215.7	190.0	177.2	171.2	169.5	167.8
122.5°	291.9	283.3	261.9	234.5	206.3	191.7	185.8	184.0	181.5
125°	316.7	306.4	284.2	255.1	223.4	207.2	201.2	198.6	196.9
127.5°	337.3	330.4	305.6	273.9	240.5	221.7	214.9	212.3	211.4
130°	361.2	351.8	327.0	291.0	257.7	236.3	229.4	225.1	226.0
132.5°	380.9	373.2	347.5	309.0	271.4	250.0	243.1	238.8	238.8
135°	402.3	393.8	367.2	325.3	286.8	264.5	255.9	251.7	250.8
137.5°	419.4	412.6	381.8	340.7	302.2	277.3	267.9	264.5	262.8
140°	437.4	428.0	398.0	356.1	315.9	291.0	279.9	277.3	275.6
142.5°	452.0	441.7	410.0	369.8	330.4	303.9	291.9	289.3	285.9
145°	465.7	453.7	422.9	382.6	345.0	315.9	301.3	298.7	297.0
147.5°	478.5	464.8	433.1	393.8	357.0	327.8	311.6	309.0	304.7
150°	485.4	472.5	440.8	404.9	368.1	338.1	321.0	317.6	315.0
152.5°	487.9	478.5	446.8	414.3	379.2	350.1	330.4	326.1	322.7
155°	488.8	480.2	453.7	422.0	388.6	361.2	340.7	334.7	331.3
157.5°	488.8	479.4	458.0	428.0	396.3	370.6	351.0	344.1	341.5
160°	486.2	479.4	460.5	433.1	403.2	379.2	360.4	352.7	351.8
162.5°	482.8	477.6	458.8	436.6	409.2	387.8	369.8	362.1	360.4
165°	478.5	474.2	457.1	440.0	416.0	395.5	379.2	372.4	368.9
167.5°	475.1	469.9	453.7	440.0	421.2	403.2	387.8	382.6	377.5
170°	469.1	464.8	449.4	439.1	424.6	408.3	396.3	391.2	386.9
172.5°	460.5	457.1	445.1	438.3	427.1	414.3	404.0	400.6	395.5
175°	452.0	450.3	440.0	437.4	429.7	420.3	411.7	410.0	406.6
177.5°	441.7	440.8	433.1	434.8	431.4	424.6	419.4	420.3	415.2
180°	428.9	428.9	428.9	428.9	428.9	428.9	428.9	428.9	428.9

(END OF REPORT)