

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: P275271

Luminaire Tested: **JW-WL-20L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275271
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 (2700K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1569.3 lumens
Efficiency: N/A
Efficacy: 89.7 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

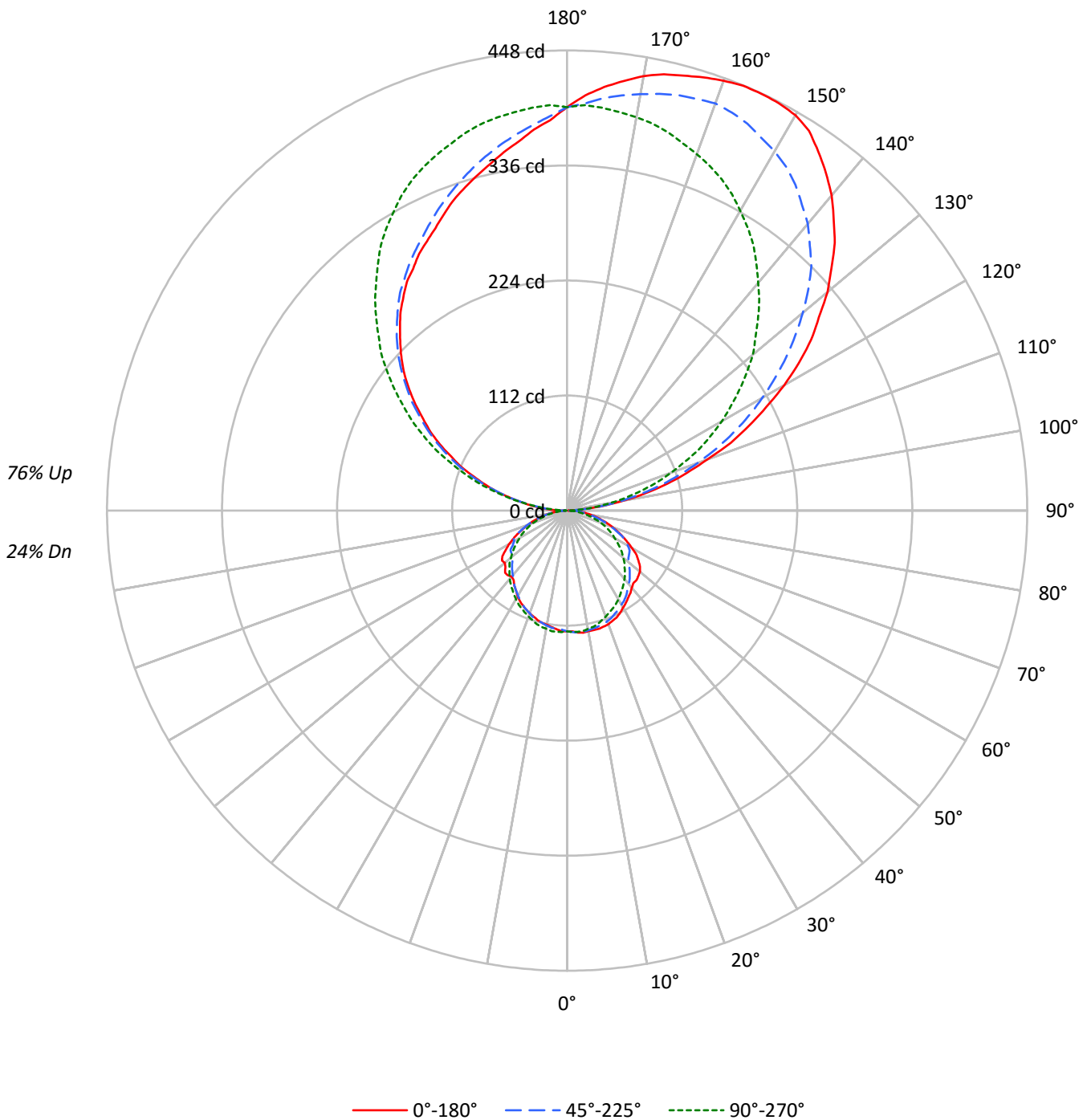
Input Watts (W): 17.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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°	1899	1899	1899
5°	1932	1919	1880
10°	1954	1915	1851
15°	1992	1914	1847
20°	2021	1887	1832
25°	2040	1872	1815
30°	2032	1857	1797
35°	2040	1839	1762
40°	2066	1834	1768
45°	2183	1808	1952
50°	2323	1791	1989
55°	2384	1765	2162
60°	2354	1721	2102
65°	2277	1708	2006
70°	2219	1666	1926
75°	2152	1516	1809
80°	2185	1385	1674
85°	2612	1315	1741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.7
10°-20°	32.3	2.1
20°-30°	49.1	3.1
30°-40°	59.5	3.8
40°-50°	64.1	4.1
50°-60°	63.1	4.0
60°-70°	51.3	3.3
70°-80°	31.8	2.0
80°-90°	11.2	0.7
90°-100°	22.5	1.4
100°-110°	85.2	5.4
110°-120°	150.6	9.6
120°-130°	197.6	12.6
130°-140°	218.0	13.9
140°-150°	207.7	13.2
150°-160°	168.4	10.7
160°-170°	108.6	6.9
170°-180°	37.4	2.4
0°-30°	92.5	5.9
0°-40°	152.0	9.7
0°-60°	279.2	17.8
0°-90°	373.4	23.8
90°-120°	258.3	16.5
90°-150°	881.6	56.2
90°-180°	1196.0	76.2
0°-180°	1569.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	118	118	118	118	118	
5°	119	119	118	115	116	11
15°	119	117	114	110	110	34
25°	114	110	105	102	102	53
35°	104	100	93	89	89	65
45°	96	86	79	76	86	74
55°	85	74	63	67	77	75
65°	60	59	45	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°	101	92	74	69	70	106
115°	195	178	142	129	125	193
125°	290	260	205	184	180	258
135°	368	336	263	234	230	283
145°	426	387	316	276	272	267
155°	448	416	356	312	303	207
165°	438	419	381	347	338	124
175°	414	403	394	377	372	40
180°	393	393	393	393	393	



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CATALOG NUMBER: JW-WL-20L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6
2.5°	117.6	118.4	118.4	118.4	118.4	118.4	116.0	116.8	117.6
5°	119.2	119.2	119.2	118.4	118.4	117.6	115.2	116.0	116.0
7.5°	120.0	120.0	119.2	118.4	118.4	117.6	115.2	115.2	114.5
10°	119.2	120.0	118.4	118.4	116.8	116.0	113.7	113.7	112.9
12.5°	119.2	120.0	117.6	116.8	116.0	113.7	112.1	112.1	112.1
15°	119.2	120.0	116.8	116.0	114.5	112.1	110.5	110.5	110.5
17.5°	118.4	118.4	116.0	113.7	112.1	109.8	109.0	109.0	108.2
20°	117.6	117.6	114.5	112.1	109.8	107.4	106.6	106.6	106.6
22.5°	116.0	116.0	112.9	110.5	107.4	105.1	104.3	104.3	104.3
25°	114.5	113.7	110.5	108.2	105.1	102.7	101.9	101.1	101.9
27.5°	112.1	111.3	108.2	105.1	102.7	100.4	98.8	98.8	99.6
30°	109.0	109.0	105.8	102.7	99.6	97.2	95.6	95.6	96.4
32.5°	106.6	106.6	103.5	99.6	96.4	94.9	92.5	92.5	92.5
35°	103.5	103.5	100.4	96.4	93.3	90.9	89.4	89.4	89.4
37.5°	101.1	101.1	96.4	93.3	90.2	87.8	85.5	85.5	85.5
40°	98.0	97.2	93.3	90.2	87.0	84.7	82.3	82.3	83.9
42.5°	95.6	93.3	90.2	87.0	83.1	80.8	79.2	80.8	85.5
45°	95.6	90.9	86.2	83.1	79.2	76.8	76.0	81.5	85.5
47.5°	94.1	90.9	82.3	79.2	76.0	72.9	72.1	81.5	81.5
50°	92.5	89.4	77.6	74.5	71.3	69.0	69.0	77.6	79.2
52.5°	89.4	87.0	75.3	70.6	67.4	65.1	68.2	74.5	80.0
55°	84.7	83.9	73.7	65.9	62.7	60.4	67.4	75.3	76.8
57.5°	80.0	80.0	72.1	60.4	58.0	56.4	62.7	71.3	70.6
60°	72.9	73.7	68.2	56.4	53.3	51.7	59.6	65.1	65.1
62.5°	65.9	66.6	64.3	51.7	49.4	47.0	58.8	58.8	58.8
65°	59.6	59.6	58.8	47.0	44.7	42.3	53.3	52.5	52.5
67.5°	53.3	53.3	51.7	42.3	40.0	40.0	47.0	47.0	46.3
70°	47.0	47.0	45.5	39.2	35.3	36.8	41.6	40.8	40.8
72.5°	40.8	40.8	39.2	35.3	29.8	32.1	34.5	34.5	35.3
75°	34.5	35.3	32.9	30.6	24.3	29.0	29.0	29.0	29.0
77.5°	29.0	29.0	26.7	24.3	19.6	23.5	22.7	23.5	23.5
80°	23.5	23.5	22.0	18.8	14.9	18.0	18.0	18.0	18.0
82.5°	18.0	18.0	16.5	14.1	10.2	12.5	13.3	13.3	13.3
85°	14.1	14.1	12.5	9.4	7.1	7.8	9.4	9.4	9.4
87.5°	10.2	10.2	8.6	6.3	3.9	5.5	5.5	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	6.3	6.3	9.4	11.0	12.5	12.5
95°	16.5	17.2	18.8	18.0	16.5	18.8	20.4	22.0	22.0
97.5°	35.3	36.1	34.5	32.1	29.0	29.8	29.8	32.1	32.9
100°	55.7	54.9	52.5	49.4	43.9	42.3	41.6	43.1	43.1
102.5°	78.4	76.8	71.3	65.9	58.8	55.7	55.7	54.9	55.7
105°	101.1	98.8	92.5	83.1	74.5	71.3	69.0	68.2	69.8
107.5°	122.3	121.5	113.7	101.9	91.7	86.2	84.7	83.1	83.1
110°	144.3	142.7	134.8	120.0	107.4	101.9	99.6	97.2	96.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	172.5	167.8	156.8	140.3	123.9	118.4	114.5	112.1	112.1
115°	195.2	190.5	178.0	159.9	141.9	133.3	128.6	126.2	124.7
117.5°	218.7	214.0	199.1	178.8	157.6	149.0	142.7	141.9	139.6
120°	243.8	237.6	219.5	197.6	174.0	162.3	156.8	155.2	153.7
122.5°	267.3	259.5	239.9	214.8	188.9	175.6	170.1	168.6	166.2
125°	290.1	280.7	260.3	233.6	204.6	189.7	184.2	181.9	180.3
127.5°	308.9	302.6	279.9	250.9	220.3	203.1	196.8	194.4	193.6
130°	330.8	322.2	299.5	266.6	236.0	216.4	210.1	206.2	207.0
132.5°	348.9	341.8	318.3	283.0	248.5	228.9	222.7	218.7	218.7
135°	368.5	360.6	336.3	297.9	262.6	242.3	234.4	230.5	229.7
137.5°	384.2	377.9	349.7	312.0	276.8	254.0	245.4	242.3	240.7
140°	400.6	392.0	364.6	326.1	289.3	266.6	256.4	254.0	252.4
142.5°	414.0	404.5	375.5	338.7	302.6	278.3	267.3	265.0	261.9
145°	426.5	415.5	387.3	350.4	316.0	289.3	276.0	273.6	272.0
147.5°	438.3	425.7	396.7	360.6	326.9	300.3	285.4	283.0	279.1
150°	444.5	432.8	403.8	370.8	337.1	309.7	294.0	290.9	288.5
152.5°	446.9	438.3	409.2	379.5	347.3	320.7	302.6	298.7	295.6
155°	447.7	439.8	415.5	386.5	355.9	330.8	312.0	306.5	303.4
157.5°	447.7	439.0	419.4	392.0	363.0	339.5	321.4	315.2	312.8
160°	445.3	439.0	421.8	396.7	369.3	347.3	330.1	323.0	322.2
162.5°	442.2	437.5	420.2	399.8	374.8	355.2	338.7	331.6	330.1
165°	438.3	434.3	418.7	403.0	381.0	362.2	347.3	341.0	337.9
167.5°	435.1	430.4	415.5	403.0	385.7	369.3	355.2	350.4	345.7
170°	429.6	425.7	411.6	402.2	388.9	374.0	363.0	358.3	354.4
172.5°	421.8	418.7	407.7	401.4	391.2	379.5	370.0	366.9	362.2
175°	414.0	412.4	403.0	400.6	393.6	384.9	377.1	375.5	372.4
177.5°	404.5	403.8	396.7	398.3	395.1	388.9	384.2	384.9	380.2
180°	392.8	392.8	392.8	392.8	392.8	392.8	392.8	392.8	392.8

(END OF REPORT)