

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: P275274

Luminaire Tested: **JW-WL-20L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275274
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 (4000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1767.5 lumens
Efficiency: N/A
Efficacy: 99.9 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

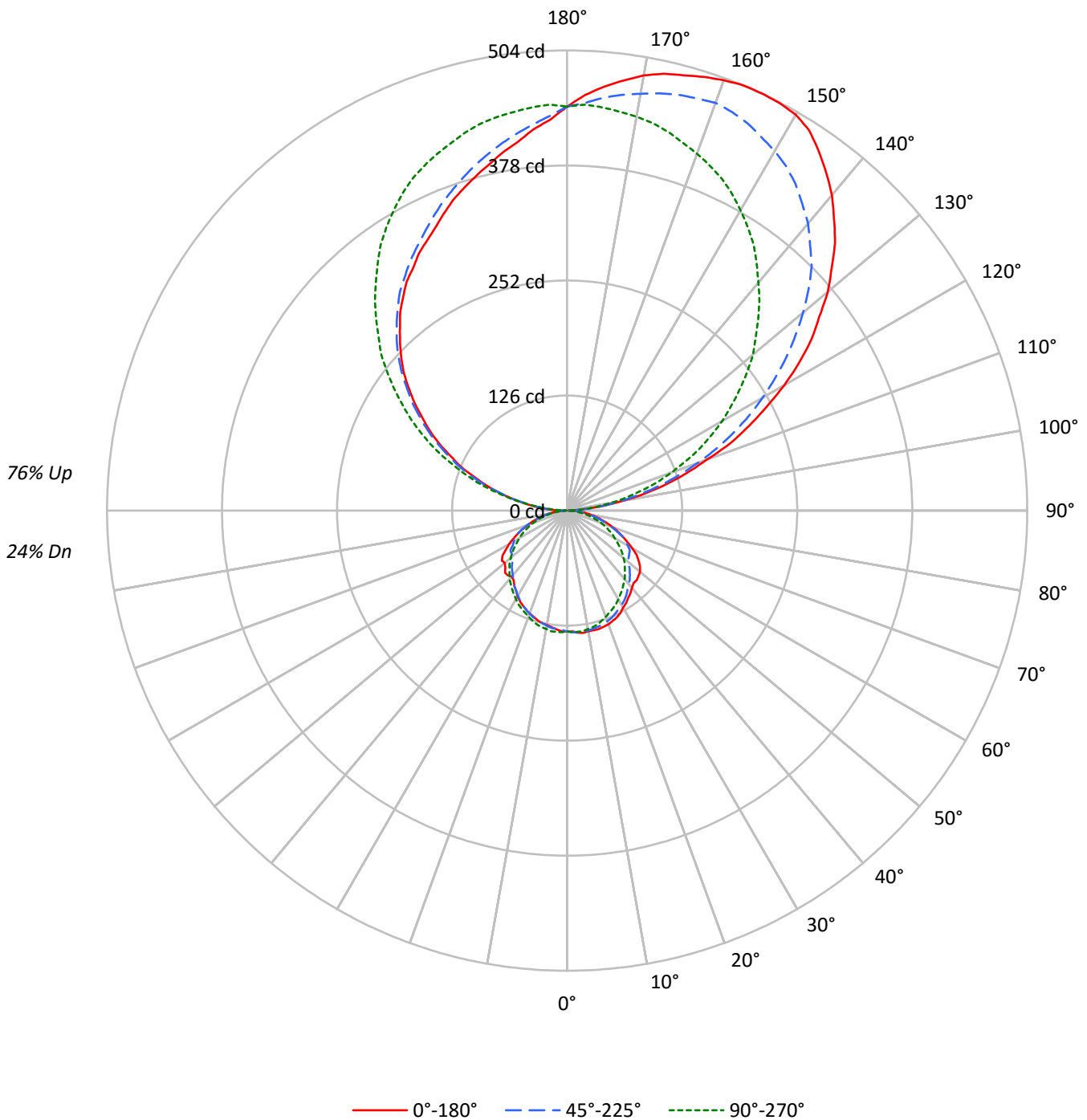
Input Watts (W): 17.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P275274

CATALOG NUMBER: JW-WL-20L92765-1D-UNV-W2A-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P275274

CATALOG NUMBER: JW-WL-20L92765-1D-UNV-W2A-W-4 (4000K)

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°	2139	2139	2139
5°	2175	2160	2118
10°	2200	2158	2085
15°	2243	2155	2081
20°	2277	2124	2064
25°	2296	2108	2045
30°	2288	2090	2025
35°	2298	2072	1985
40°	2327	2066	1992
45°	2459	2037	2197
50°	2617	2020	2241
55°	2685	1987	2435
60°	2651	1938	2367
65°	2564	1922	2262
70°	2502	1874	2167
75°	2427	1709	2040
80°	2464	1562	1887
85°	2946	1463	1964



TEST NUMBER: P275274

CATALOG NUMBER: JW-WL-20L92765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.6	0.7
10°-20°	36.3	2.1
20°-30°	55.3	3.1
30°-40°	67.0	3.8
40°-50°	72.2	4.1
50°-60°	71.1	4.0
60°-70°	57.8	3.3
70°-80°	35.8	2.0
80°-90°	12.6	0.7
90°-100°	25.4	1.4
100°-110°	96.0	5.4
110°-120°	169.6	9.6
120°-130°	222.5	12.6
130°-140°	245.5	13.9
140°-150°	233.9	13.2
150°-160°	189.7	10.7
160°-170°	122.3	6.9
170°-180°	42.1	2.4
0°-30°	104.2	5.9
0°-40°	171.2	9.7
0°-60°	314.4	17.8
0°-90°	420.5	23.8
90°-120°	291.0	16.5
90°-150°	992.9	56.2
90°-180°	1347.0	76.2
0°-180°	1767.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	132	132	132	132	132	
5°	134	134	133	130	131	13
15°	134	132	129	124	124	38
25°	129	124	118	115	115	59
35°	117	113	105	101	101	73
45°	108	97	89	86	96	83
55°	95	83	71	76	86	85
65°	67	66	50	60	59	67
75°	39	37	27	33	33	41
85°	16	14	8	11	11	15
90°	1	1	1	2	2	2
95°	18	21	18	23	25	25
105°	114	104	84	78	79	119
115°	220	200	160	145	140	217
125°	327	293	230	208	203	291
135°	415	379	296	264	259	319
145°	480	436	356	311	306	300
155°	504	468	401	351	342	233
165°	494	472	429	391	381	140
175°	466	454	443	425	419	45
180°	442	442	442	442	442	



TEST NUMBER: P275274

CATALOG NUMBER: JW-WL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5
2.5°	132.5	133.3	133.3	133.3	133.3	133.3	130.7	131.6	132.5
5°	134.2	134.2	134.2	133.3	133.3	132.5	129.8	130.7	130.7
7.5°	135.1	135.1	134.2	133.3	133.3	132.5	129.8	129.8	128.9
10°	134.2	135.1	133.3	133.3	131.6	130.7	128.0	128.0	127.2
12.5°	134.2	135.1	132.5	131.6	130.7	128.0	126.3	126.3	126.3
15°	134.2	135.1	131.6	130.7	128.9	126.3	124.5	124.5	124.5
17.5°	133.3	133.3	130.7	128.0	126.3	123.6	122.7	122.7	121.9
20°	132.5	132.5	128.9	126.3	123.6	121.0	120.1	120.1	120.1
22.5°	130.7	130.7	127.2	124.5	121.0	118.3	117.4	117.4	117.4
25°	128.9	128.0	124.5	121.9	118.3	115.7	114.8	113.9	114.8
27.5°	126.3	125.4	121.9	118.3	115.7	113.0	111.3	111.3	112.1
30°	122.7	122.7	119.2	115.7	112.1	109.5	107.7	107.7	108.6
32.5°	120.1	120.1	116.6	112.1	108.6	106.8	104.2	104.2	104.2
35°	116.6	116.6	113.0	108.6	105.1	102.4	100.7	100.7	100.7
37.5°	113.9	113.9	108.6	105.1	101.5	98.9	96.2	96.2	96.2
40°	110.4	109.5	105.1	101.5	98.0	95.4	92.7	92.7	94.5
42.5°	107.7	105.1	101.5	98.0	93.6	90.9	89.2	90.9	96.2
45°	107.7	102.4	97.1	93.6	89.2	86.5	85.7	91.8	96.2
47.5°	106.0	102.4	92.7	89.2	85.7	82.1	81.2	91.8	91.8
50°	104.2	100.7	87.4	83.9	80.4	77.7	77.7	87.4	89.2
52.5°	100.7	98.0	84.8	79.5	75.9	73.3	76.8	83.9	90.1
55°	95.4	94.5	83.0	74.2	70.6	68.0	75.9	84.8	86.5
57.5°	90.1	90.1	81.2	68.0	65.3	63.6	70.6	80.4	79.5
60°	82.1	83.0	76.8	63.6	60.0	58.3	67.1	73.3	73.3
62.5°	74.2	75.1	72.4	58.3	55.6	53.0	66.2	66.2	66.2
65°	67.1	67.1	66.2	53.0	50.3	47.7	60.0	59.2	59.2
67.5°	60.0	60.0	58.3	47.7	45.0	45.0	53.0	53.0	52.1
70°	53.0	53.0	51.2	44.2	39.7	41.5	46.8	45.9	45.9
72.5°	45.9	45.9	44.2	39.7	33.6	36.2	38.9	38.9	39.7
75°	38.9	39.7	37.1	34.4	27.4	32.7	32.7	32.7	32.7
77.5°	32.7	32.7	30.0	27.4	22.1	26.5	25.6	26.5	26.5
80°	26.5	26.5	24.7	21.2	16.8	20.3	20.3	20.3	20.3
82.5°	20.3	20.3	18.5	15.9	11.5	14.1	15.0	15.0	15.0
85°	15.9	15.9	14.1	10.6	7.9	8.8	10.6	10.6	10.6
87.5°	11.5	11.5	9.7	7.1	4.4	6.2	6.2	5.3	5.3
90°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	0.9	1.8
92.5°	4.4	4.4	5.3	7.1	7.1	10.6	12.4	14.1	14.1
95°	18.5	19.4	21.2	20.3	18.5	21.2	23.0	24.7	24.7
97.5°	39.7	40.6	38.9	36.2	32.7	33.6	33.6	36.2	37.1
100°	62.7	61.8	59.2	55.6	49.4	47.7	46.8	48.6	48.6
102.5°	88.3	86.5	80.4	74.2	66.2	62.7	62.7	61.8	62.7
105°	113.9	111.3	104.2	93.6	83.9	80.4	77.7	76.8	78.6
107.5°	137.7	136.9	128.0	114.8	103.3	97.1	95.4	93.6	93.6
110°	162.5	160.7	151.9	135.1	121.0	114.8	112.1	109.5	108.6



TEST NUMBER: P275274

CATALOG NUMBER: JW-WL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	194.3	189.0	176.6	158.1	139.5	133.3	128.9	126.3	126.3
115°	219.9	214.6	200.4	180.1	159.8	150.1	144.8	142.2	140.4
117.5°	246.4	241.1	224.3	201.3	177.5	167.8	160.7	159.8	157.2
120°	274.6	267.5	247.2	222.5	196.0	182.8	176.6	174.8	173.1
122.5°	301.1	292.3	270.2	241.9	212.8	197.8	191.6	189.8	187.2
125°	326.7	316.1	293.2	263.1	230.5	213.7	207.5	204.9	203.1
127.5°	347.9	340.8	315.2	282.6	248.1	228.7	221.6	219.0	218.1
130°	372.6	362.9	337.3	300.2	265.8	243.7	236.6	232.2	233.1
132.5°	392.9	385.0	358.5	318.8	279.9	257.8	250.8	246.4	246.4
135°	415.0	406.2	378.8	335.5	295.8	272.8	264.0	259.6	258.7
137.5°	432.7	425.6	393.8	351.4	311.7	286.1	276.4	272.8	271.1
140°	451.2	441.5	410.6	367.3	325.8	300.2	288.7	286.1	284.3
142.5°	466.2	455.6	423.0	381.5	340.8	313.5	301.1	298.5	294.9
145°	480.4	468.0	436.2	394.7	355.8	325.8	310.8	308.2	306.4
147.5°	493.6	479.5	446.8	406.2	368.2	338.2	321.4	318.8	314.3
150°	500.7	487.4	454.7	417.7	379.7	348.8	331.1	327.6	324.9
152.5°	503.3	493.6	460.9	427.4	391.2	361.1	340.8	336.4	332.9
155°	504.2	495.4	468.0	435.3	400.9	372.6	351.4	345.3	341.7
157.5°	504.2	494.5	472.4	441.5	408.8	382.3	362.0	355.0	352.3
160°	501.5	494.5	475.1	446.8	415.9	391.2	371.7	363.8	362.9
162.5°	498.0	492.7	473.3	450.3	422.1	400.0	381.5	373.5	371.7
165°	493.6	489.2	471.5	453.9	429.1	407.9	391.2	384.1	380.6
167.5°	490.1	484.8	468.0	453.9	434.4	415.9	400.0	394.7	389.4
170°	483.9	479.5	463.6	453.0	438.0	421.2	408.8	403.5	399.1
172.5°	475.1	471.5	459.2	452.1	440.6	427.4	416.8	413.2	407.9
175°	466.2	464.5	453.9	451.2	443.3	433.6	424.7	423.0	419.4
177.5°	455.6	454.7	446.8	448.6	445.0	438.0	432.7	433.6	428.3
180°	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4	442.4

(END OF REPORT)