

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: P275292

Luminaire Tested: **JW-WL-30L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-30L92765-1D-UNV-W2A-W-4 (5000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2786.3 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.26 / 1.4
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

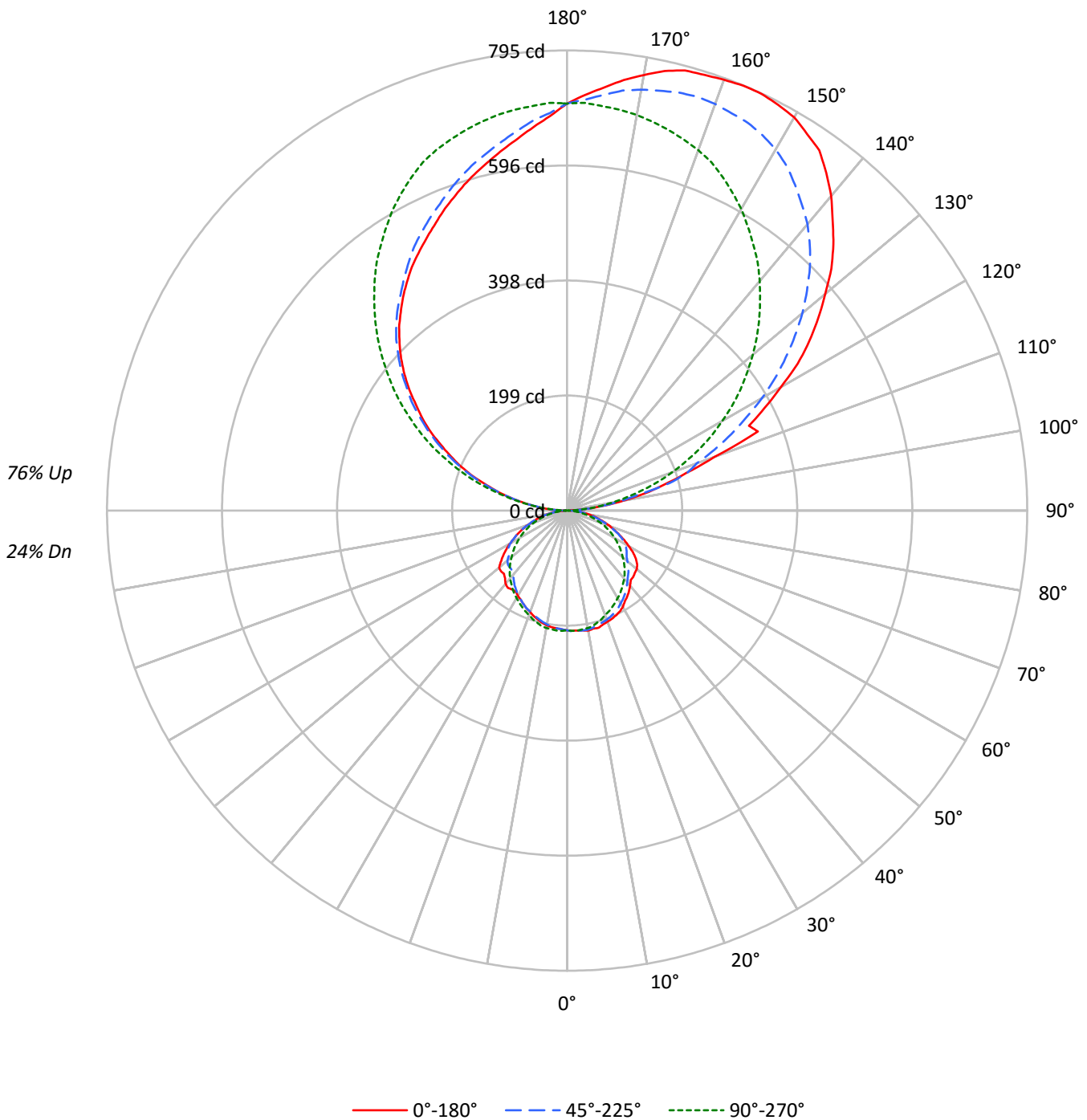
Input Watts (W): 28.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	49	49	49	32	32	32	24
1	92	87	83	80	81	78	74	72	60	57	56	43	42	40	28	27	26	19
2	83	76	70	65	74	68	63	58	52	49	46	37	35	33	24	23	22	16
3	76	66	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	6
9	46	34	27	22	41	31	24	20	24	19	16	17	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°	3342	3342	3342
5°	3370	3370	3310
10°	3454	3379	3302
15°	3505	3351	3260
20°	3509	3302	3206
25°	3556	3276	3176
30°	3583	3255	3169
35°	3570	3242	3278
40°	3564	3233	3486
45°	3692	3206	3523
50°	3946	3157	3853
55°	4084	3122	3797
60°	3969	3074	3672
65°	3813	2999	3564
70°	3706	2880	3404
75°	3575	2707	3288
80°	3524	2492	3096
85°	4279	2056	3075



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.7
10°-20°	56.6	2.0
20°-30°	86.0	3.1
30°-40°	105.0	3.8
40°-50°	114.0	4.1
50°-60°	111.2	4.0
60°-70°	89.5	3.2
70°-80°	55.0	2.0
80°-90°	19.4	0.7
90°-100°	39.9	1.4
100°-110°	152.7	5.5
110°-120°	269.0	9.7
120°-130°	350.5	12.6
130°-140°	387.1	13.9
140°-150°	369.7	13.3
150°-160°	300.2	10.8
160°-170°	194.1	7.0
170°-180°	66.8	2.4
0°-30°	162.3	5.8
0°-40°	267.3	9.6
0°-60°	492.5	17.7
0°-90°	656.3	23.6
90°-120°	461.6	16.6
90°-150°	1568.9	56.3
90°-180°	2130.0	76.4
0°-180°	2786.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	207	207	207	207	207	
5°	208	209	208	204	204	20
15°	210	205	200	193	195	59
25°	200	194	184	178	178	92
35°	181	175	164	158	166	113
45°	162	150	140	140	154	125
55°	145	126	111	122	135	128
65°	100	99	78	93	93	99
75°	57	55	43	52	53	61
85°	23	20	11	17	17	22
90°	5	4	1	4	2	5
95°	31	33	30	33	36	40
105°	174	183	133	122	122	188
115°	346	313	252	227	222	356
125°	511	461	366	328	319	455
135°	650	593	469	418	409	501
145°	760	686	561	491	482	472
155°	795	739	636	559	543	366
165°	787	748	680	621	605	222
175°	734	721	701	676	665	71
180°	703	703	703	703	703	



TEST NUMBER: P275292

CATALOG NUMBER: JW-WL-30L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	207.0	207.0	207.0	207.0	207.0	207.0	207.0	207.0	207.0
2.5°	207.9	208.8	208.8	207.9	207.9	207.9	205.1	206.1	205.1
5°	207.9	210.7	208.8	208.8	207.9	206.1	204.2	205.1	204.2
7.5°	208.8	210.7	208.8	207.9	207.0	204.2	202.4	202.4	203.3
10°	210.7	210.7	208.8	207.9	206.1	202.4	199.6	199.6	201.4
12.5°	208.8	210.7	207.0	206.1	204.2	200.5	196.8	196.8	198.7
15°	209.7	208.8	205.1	203.3	200.5	197.7	193.1	193.1	195.0
17.5°	206.1	207.9	202.4	200.5	196.8	194.0	189.4	189.4	191.3
20°	204.2	206.1	200.5	196.8	192.2	190.3	185.7	186.6	186.6
22.5°	202.4	203.3	197.7	193.1	188.5	185.7	183.0	183.0	183.0
25°	199.6	199.6	194.0	188.5	183.9	180.2	178.3	178.3	178.3
27.5°	196.8	195.9	190.3	184.8	179.3	175.6	173.7	173.7	173.7
30°	192.2	190.3	184.8	179.3	174.6	170.9	169.1	168.2	170.0
32.5°	185.7	184.8	180.2	174.6	170.0	165.4	163.5	163.5	165.4
35°	181.1	179.3	174.6	169.1	164.5	159.9	158.0	158.9	166.3
37.5°	175.6	173.7	168.2	165.4	158.9	154.3	151.5	159.9	168.2
40°	169.1	168.2	161.7	158.9	153.4	149.7	145.1	160.8	165.4
42.5°	162.6	161.7	155.2	152.5	146.9	143.2	140.4	158.0	158.9
45°	161.7	156.2	149.7	145.1	140.4	136.8	139.5	151.5	154.3
47.5°	158.9	153.4	143.2	137.7	133.1	129.4	138.6	146.9	155.2
50°	157.1	150.6	135.8	131.2	125.7	122.0	134.9	147.8	153.4
52.5°	152.5	147.8	129.4	122.9	118.3	114.6	126.6	144.1	144.1
55°	145.1	142.3	125.7	114.6	110.9	107.2	122.0	134.0	134.9
57.5°	134.9	134.0	121.0	106.3	102.6	99.8	120.1	124.7	124.7
60°	122.9	123.8	115.5	97.9	95.2	93.3	113.7	113.7	113.7
62.5°	111.8	111.8	108.1	90.6	86.9	87.8	103.5	103.5	103.5
65°	99.8	99.8	98.9	82.2	78.5	83.2	93.3	93.3	93.3
67.5°	88.7	88.7	87.8	73.0	70.2	74.8	83.2	82.2	82.2
70°	78.5	78.5	76.7	66.5	61.0	67.5	72.1	73.0	72.1
72.5°	68.4	67.5	65.6	60.1	51.7	61.9	61.9	61.9	61.0
75°	57.3	57.3	55.4	51.7	43.4	51.7	51.7	51.7	52.7
77.5°	48.0	47.1	45.3	41.6	34.2	40.7	41.6	41.6	41.6
80°	37.9	37.9	36.0	31.4	26.8	31.4	31.4	32.3	33.3
82.5°	29.6	29.6	27.7	24.0	18.5	22.2	23.1	24.0	24.0
85°	23.1	23.1	20.3	16.6	11.1	14.8	16.6	17.6	16.6
87.5°	16.6	16.6	14.8	11.1	6.5	9.2	9.2	10.2	9.2
90°	4.6	4.6	3.7	2.8	0.9	2.8	3.7	2.8	1.8
92.5°	8.3	9.2	11.1	12.9	11.1	14.8	18.5	19.4	19.4
95°	31.4	31.4	33.3	32.3	30.5	32.3	33.3	37.0	36.0
97.5°	63.8	62.8	61.0	56.4	53.6	51.7	52.7	54.5	54.5
100°	98.9	97.0	91.5	91.5	77.6	73.9	74.8	74.8	74.8
102.5°	137.7	134.0	124.7	116.4	104.4	100.7	97.9	97.0	97.0
105°	173.7	171.9	183.0	146.0	133.1	126.6	122.0	121.0	122.0
107.5°	216.2	212.5	218.1	180.2	163.5	153.4	148.8	146.0	145.1
110°	270.7	306.8	238.4	215.3	193.1	181.1	175.6	172.8	172.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	356.7	312.3	275.4	249.5	221.8	209.7	201.4	198.7	197.7
115°	346.5	336.3	313.2	284.6	252.3	237.5	227.3	224.5	221.8
117.5°	385.3	377.0	349.3	318.8	281.8	265.2	252.3	249.5	245.8
120°	426.0	416.7	389.0	350.2	309.5	289.2	278.1	275.4	272.6
122.5°	472.2	456.5	426.0	384.4	338.2	314.2	302.1	298.5	296.6
125°	511.0	494.3	461.1	413.0	365.9	338.2	328.0	322.5	318.8
127.5°	547.0	534.1	496.2	444.4	391.8	362.2	349.3	344.7	343.7
130°	582.1	570.1	530.4	475.9	418.6	384.4	374.2	367.8	366.8
132.5°	619.1	601.5	561.8	503.6	444.4	408.4	395.5	389.9	389.0
135°	650.5	635.7	593.2	529.5	469.4	430.6	417.6	411.2	409.3
137.5°	679.1	667.1	620.9	556.2	493.4	454.6	437.1	431.5	429.7
140°	709.6	693.0	645.9	580.3	517.4	478.6	455.5	451.8	447.2
142.5°	735.5	718.9	666.2	605.2	540.5	498.0	472.2	471.2	465.7
145°	759.5	739.2	686.5	627.4	560.9	517.4	490.6	486.9	482.3
147.5°	771.5	756.8	705.9	645.0	581.2	536.8	509.1	504.5	499.0
150°	784.5	767.8	720.7	662.5	601.5	554.4	527.6	519.3	513.7
152.5°	790.0	775.2	730.9	677.3	619.1	572.0	543.3	532.2	528.5
155°	794.6	779.9	739.2	689.3	635.7	588.6	559.0	546.1	543.3
157.5°	794.6	781.7	742.9	698.5	651.4	606.1	573.8	561.8	559.9
160°	791.9	781.7	747.5	705.0	662.5	621.9	590.4	577.5	574.7
162.5°	789.1	780.8	749.4	712.4	671.7	635.7	606.1	594.1	590.4
165°	787.2	778.9	747.5	717.9	680.1	648.6	620.9	609.8	605.2
167.5°	778.0	770.6	742.9	721.6	687.5	661.6	633.9	627.4	619.1
170°	764.1	758.6	738.3	723.5	693.9	670.8	647.7	640.3	633.9
172.5°	750.3	746.6	731.8	722.6	698.5	681.0	661.6	658.8	648.6
175°	733.7	733.7	720.7	717.0	701.3	688.4	676.4	673.6	665.3
177.5°	718.9	720.7	710.6	710.6	705.0	696.7	687.5	690.2	681.9
180°	703.2	703.2	703.2	703.2	703.2	703.2	703.2	703.2	703.2

(END OF REPORT)