

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: P275282

Luminaire Tested: **JW-WL-30L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275282
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-30L82765-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3009.5 lumens
Efficiency: N/A
Efficacy: 107.9 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

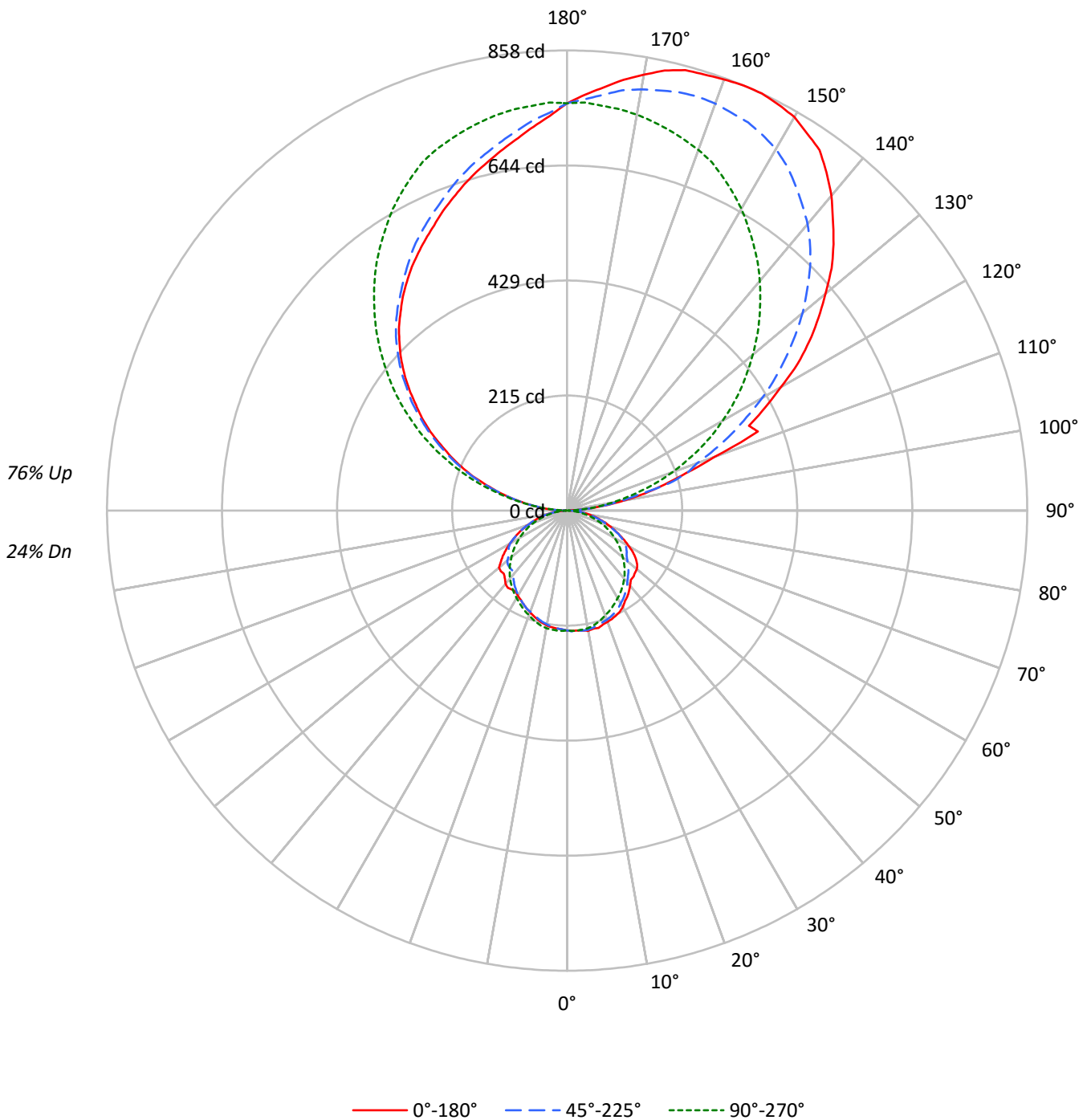
Input Watts (W): 27.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3610	3610	3610
5°	3639	3639	3575
10°	3730	3650	3568
15°	3786	3621	3520
20°	3790	3567	3464
25°	3841	3538	3431
30°	3870	3516	3423
35°	3855	3501	3540
40°	3849	3492	3764
45°	3987	3464	3806
50°	4263	3409	4162
55°	4411	3372	4101
60°	4285	3320	3965
65°	4118	3240	3851
70°	4003	3111	3673
75°	3861	2926	3550
80°	3803	2687	3338
85°	4613	2223	3335



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	0.7
10°-20°	61.1	2.0
20°-30°	92.9	3.1
30°-40°	113.4	3.8
40°-50°	123.1	4.1
50°-60°	120.1	4.0
60°-70°	96.6	3.2
70°-80°	59.4	2.0
80°-90°	21.0	0.7
90°-100°	43.1	1.4
100°-110°	164.9	5.5
110°-120°	290.6	9.7
120°-130°	378.6	12.6
130°-140°	418.1	13.9
140°-150°	399.3	13.3
150°-160°	324.2	10.8
160°-170°	209.7	7.0
170°-180°	72.2	2.4
0°-30°	175.3	5.8
0°-40°	288.7	9.6
0°-60°	532.0	17.7
0°-90°	708.9	23.6
90°-120°	498.5	16.6
90°-150°	1694.5	56.3
90°-180°	2301.0	76.5
0°-180°	3009.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	224	224	224	224	224	
5°	224	226	224	221	221	22
15°	226	222	217	209	211	64
25°	216	210	199	193	193	99
35°	196	189	178	171	180	122
45°	175	162	152	151	167	135
55°	157	136	120	132	146	138
65°	108	107	85	101	101	107
75°	62	60	47	56	57	66
85°	25	22	12	18	18	23
90°	5	4	1	4	2	5
95°	34	36	33	36	39	44
105°	188	198	144	132	132	203
115°	374	338	272	246	240	384
125°	552	498	395	354	344	491
135°	703	641	507	451	442	541
145°	820	742	606	530	521	510
155°	858	798	687	604	587	396
165°	850	807	734	671	654	240
175°	792	778	758	730	719	77
180°	760	760	760	760	760	



TEST NUMBER: P275282

CATALOG NUMBER: JW-WL-30L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	223.6	223.6	223.6	223.6	223.6	223.6	223.6	223.6	223.6
2.5°	224.5	225.5	225.5	224.5	224.5	224.5	221.6	222.6	221.6
5°	224.5	227.5	225.5	225.5	224.5	222.6	220.6	221.6	220.6
7.5°	225.5	227.5	225.5	224.5	223.6	220.6	218.6	218.6	219.6
10°	227.5	227.5	225.5	224.5	222.6	218.6	215.6	215.6	217.6
12.5°	225.5	227.5	223.6	222.6	220.6	216.6	212.6	212.6	214.6
15°	226.5	225.5	221.6	219.6	216.6	213.6	208.6	208.6	210.6
17.5°	222.6	224.5	218.6	216.6	212.6	209.6	204.6	204.6	206.6
20°	220.6	222.6	216.6	212.6	207.6	205.6	200.6	201.6	201.6
22.5°	218.6	219.6	213.6	208.6	203.6	200.6	197.6	197.6	197.6
25°	215.6	215.6	209.6	203.6	198.6	194.6	192.6	192.6	192.6
27.5°	212.6	211.6	205.6	199.6	193.6	189.6	187.6	187.6	187.6
30°	207.6	205.6	199.6	193.6	188.6	184.6	182.6	181.6	183.6
32.5°	200.6	199.6	194.6	188.6	183.6	178.6	176.6	176.6	178.6
35°	195.6	193.6	188.6	182.6	177.6	172.7	170.7	171.7	179.6
37.5°	189.6	187.6	181.6	178.6	171.7	166.7	163.7	172.7	181.6
40°	182.6	181.6	174.6	171.7	165.7	161.7	156.7	173.7	178.6
42.5°	175.6	174.6	167.7	164.7	158.7	154.7	151.7	170.7	171.7
45°	174.6	168.7	161.7	156.7	151.7	147.7	150.7	163.7	166.7
47.5°	171.7	165.7	154.7	148.7	143.7	139.7	149.7	158.7	167.7
50°	169.7	162.7	146.7	141.7	135.7	131.7	145.7	159.7	165.7
52.5°	164.7	159.7	139.7	132.7	127.7	123.8	136.7	155.7	155.7
55°	156.7	153.7	135.7	123.8	119.8	115.8	131.7	144.7	145.7
57.5°	145.7	144.7	130.7	114.8	110.8	107.8	129.7	134.7	134.7
60°	132.7	133.7	124.7	105.8	102.8	100.8	122.8	122.8	122.8
62.5°	120.8	120.8	116.8	97.8	93.8	94.8	111.8	111.8	111.8
65°	107.8	107.8	106.8	88.8	84.8	89.8	100.8	100.8	100.8
67.5°	95.8	95.8	94.8	78.8	75.8	80.8	89.8	88.8	88.8
70°	84.8	84.8	82.8	71.9	65.9	72.9	77.8	78.8	77.8
72.5°	73.9	72.9	70.9	64.9	55.9	66.9	66.9	66.9	65.9
75°	61.9	61.9	59.9	55.9	46.9	55.9	55.9	55.9	56.9
77.5°	51.9	50.9	48.9	44.9	36.9	43.9	44.9	44.9	44.9
80°	40.9	40.9	38.9	33.9	28.9	33.9	33.9	34.9	35.9
82.5°	31.9	31.9	29.9	25.9	20.0	24.0	24.9	25.9	25.9
85°	24.9	24.9	22.0	18.0	12.0	16.0	18.0	19.0	18.0
87.5°	18.0	18.0	16.0	12.0	7.0	10.0	10.0	11.0	10.0
90°	5.0	5.0	4.0	3.0	1.0	3.0	4.0	3.0	2.0
92.5°	9.0	10.0	12.0	14.0	12.0	16.0	20.0	21.0	21.0
95°	33.9	33.9	35.9	34.9	32.9	34.9	35.9	39.9	38.9
97.5°	68.9	67.9	65.9	60.9	57.9	55.9	56.9	58.9	58.9
100°	106.8	104.8	98.8	98.8	83.8	79.8	80.8	80.8	80.8
102.5°	148.7	144.7	134.7	125.7	112.8	108.8	105.8	104.8	104.8
105°	187.6	185.6	197.6	157.7	143.7	136.7	131.7	130.7	131.7
107.5°	233.5	229.5	235.5	194.6	176.6	165.7	160.7	157.7	156.7
110°	292.4	331.3	257.5	232.5	208.6	195.6	189.6	186.6	186.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	385.2	337.3	297.4	269.5	239.5	226.5	217.6	214.6	213.6
115°	374.2	363.3	338.3	307.4	272.5	256.5	245.5	242.5	239.5
117.5°	416.2	407.2	377.2	344.3	304.4	286.4	272.5	269.5	265.5
120°	460.1	450.1	420.2	378.2	334.3	312.4	300.4	297.4	294.4
122.5°	510.0	493.0	460.1	415.2	365.3	339.3	326.3	322.4	320.4
125°	551.9	533.9	498.0	446.1	395.2	365.3	354.3	348.3	344.3
127.5°	590.8	576.8	535.9	480.0	423.2	391.2	377.2	372.3	371.3
130°	628.7	615.8	572.9	514.0	452.1	415.2	404.2	397.2	396.2
132.5°	668.7	649.7	606.8	543.9	480.0	441.1	427.1	421.2	420.2
135°	702.6	686.6	640.7	571.9	507.0	465.1	451.1	444.1	442.1
137.5°	733.5	720.6	670.7	600.8	532.9	491.0	472.1	466.1	464.1
140°	766.5	748.5	697.6	626.7	558.9	517.0	492.0	488.0	483.0
142.5°	794.4	776.4	719.6	653.7	583.8	537.9	510.0	509.0	503.0
145°	820.4	798.4	741.5	677.6	605.8	558.9	529.9	525.9	521.0
147.5°	833.3	817.4	762.5	696.6	627.7	579.8	549.9	544.9	538.9
150°	847.3	829.3	778.4	715.6	649.7	598.8	569.9	560.9	554.9
152.5°	853.3	837.3	789.4	731.5	668.7	617.8	586.8	574.8	570.9
155°	858.3	842.3	798.4	744.5	686.6	635.7	603.8	589.8	586.8
157.5°	858.3	844.3	802.4	754.5	703.6	654.7	619.8	606.8	604.8
160°	855.3	844.3	807.4	761.5	715.6	671.7	637.7	623.7	620.8
162.5°	852.3	843.3	809.4	769.5	725.5	686.6	654.7	641.7	637.7
165°	850.3	841.3	807.4	775.4	734.5	700.6	670.7	658.7	653.7
167.5°	840.3	832.3	802.4	779.4	742.5	714.6	684.6	677.6	668.7
170°	825.3	819.4	797.4	781.4	749.5	724.5	699.6	691.6	684.6
172.5°	810.4	806.4	790.4	780.4	754.5	735.5	714.6	711.6	700.6
175°	792.4	792.4	778.4	774.4	757.5	743.5	730.5	727.5	718.6
177.5°	776.4	778.4	767.5	767.5	761.5	752.5	742.5	745.5	736.5
180°	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5

(END OF REPORT)