

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: P275290

Luminaire Tested: **JW-WL-30L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275290
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 (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: 2662.7 lumens
Efficiency: N/A
Efficacy: 95.4 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

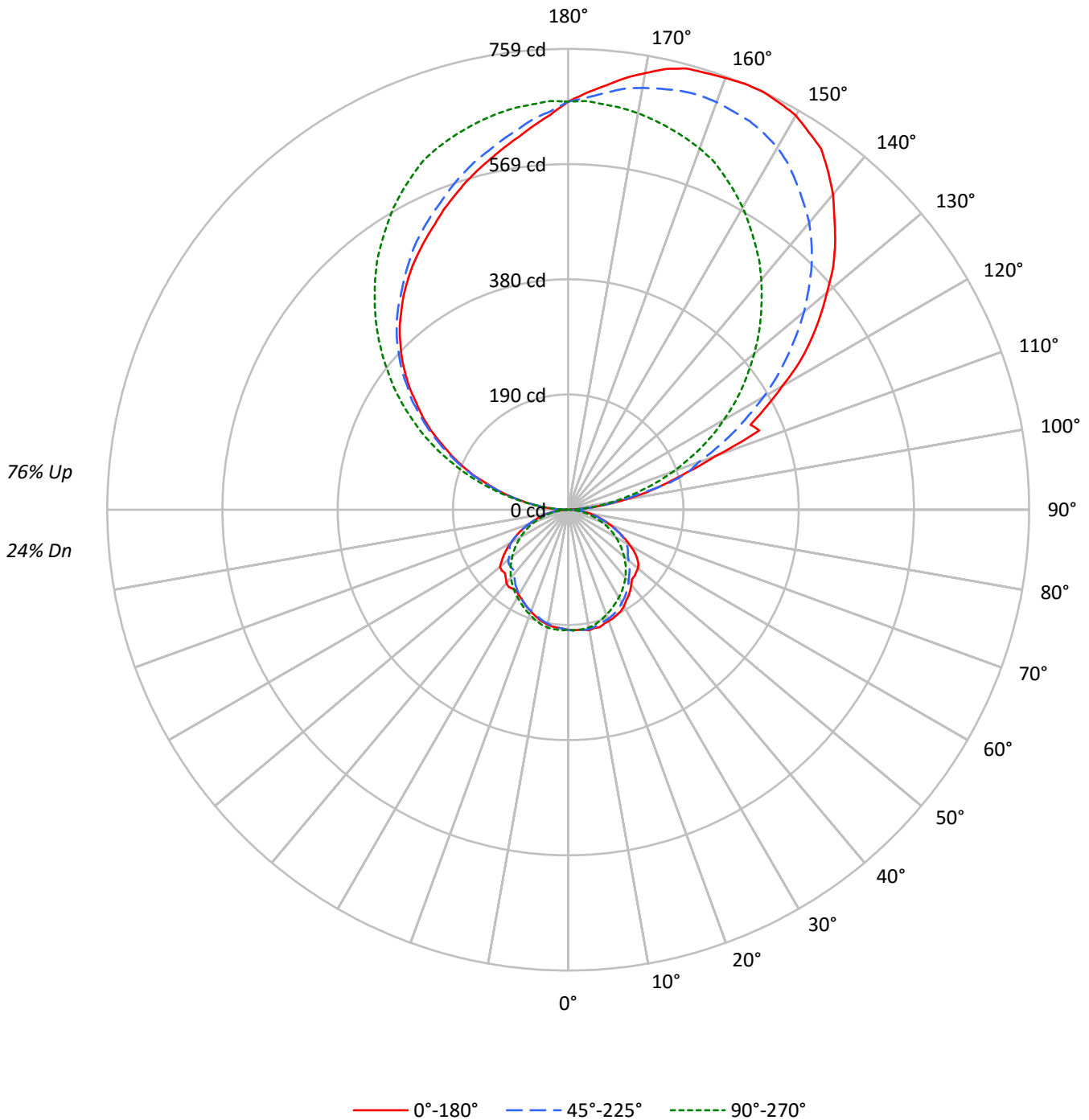
Input Watts (W): 27.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3194	3194	3194
5°	3220	3220	3162
10°	3300	3228	3156
15°	3350	3203	3114
20°	3352	3156	3065
25°	3397	3130	3036
30°	3425	3112	3030
35°	3412	3098	3132
40°	3406	3090	3332
45°	3528	3064	3368
50°	3770	3017	3682
55°	3902	2984	3628
60°	3791	2935	3507
65°	3645	2869	3408
70°	3545	2752	3253
75°	3412	2589	3138
80°	3366	2380	2957
85°	4094	1964	2946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.8	0.7
10°-20°	54.1	2.0
20°-30°	82.2	3.1
30°-40°	100.4	3.8
40°-50°	108.9	4.1
50°-60°	106.2	4.0
60°-70°	85.5	3.2
70°-80°	52.5	2.0
80°-90°	18.5	0.7
90°-100°	38.1	1.4
100°-110°	145.9	5.5
110°-120°	257.1	9.7
120°-130°	334.9	12.6
130°-140°	369.9	13.9
140°-150°	353.3	13.3
150°-160°	286.9	10.8
160°-170°	185.5	7.0
170°-180°	63.9	2.4
0°-30°	155.1	5.8
0°-40°	255.5	9.6
0°-60°	470.7	17.7
0°-90°	627.2	23.6
90°-120°	441.1	16.6
90°-150°	1499.2	56.3
90°-180°	2035.0	76.4
0°-180°	2662.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	198	198	198	198	198	
5°	199	200	199	195	195	19
15°	200	196	192	184	186	56
25°	191	185	176	170	170	88
35°	173	167	157	151	159	108
45°	154	143	134	133	148	119
55°	139	120	106	117	129	122
65°	95	94	75	89	89	95
75°	55	53	42	49	50	58
85°	22	19	11	16	16	21
90°	4	4	1	4	2	4
95°	30	32	29	32	34	39
105°	166	175	127	117	117	179
115°	331	299	241	217	212	340
125°	488	441	350	314	305	435
135°	622	567	449	399	391	479
145°	726	656	536	469	461	451
155°	759	706	608	534	519	350
165°	752	714	650	593	578	212
175°	701	689	670	646	636	68
180°	672	672	672	672	672	



TEST NUMBER: P275290

CATALOG NUMBER: JW-WL-30L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	197.8	197.8	197.8	197.8	197.8	197.8	197.8	197.8	197.8
2.5°	198.7	199.6	199.6	198.7	198.7	198.7	196.0	196.9	196.0
5°	198.7	201.3	199.6	199.6	198.7	196.9	195.1	196.0	195.1
7.5°	199.6	201.3	199.6	198.7	197.8	195.1	193.4	193.4	194.3
10°	201.3	201.3	199.6	198.7	196.9	193.4	190.7	190.7	192.5
12.5°	199.6	201.3	197.8	196.9	195.1	191.6	188.1	188.1	189.8
15°	200.4	199.6	196.0	194.3	191.6	189.0	184.5	184.5	186.3
17.5°	196.9	198.7	193.4	191.6	188.1	185.4	181.0	181.0	182.8
20°	195.1	196.9	191.6	188.1	183.7	181.9	177.5	178.4	178.4
22.5°	193.4	194.3	189.0	184.5	180.1	177.5	174.8	174.8	174.8
25°	190.7	190.7	185.4	180.1	175.7	172.2	170.4	170.4	170.4
27.5°	188.1	187.2	181.9	176.6	171.3	167.8	166.0	166.0	166.0
30°	183.7	181.9	176.6	171.3	166.9	163.4	161.6	160.7	162.5
32.5°	177.5	176.6	172.2	166.9	162.5	158.1	156.3	156.3	158.1
35°	173.1	171.3	166.9	161.6	157.2	152.8	151.0	151.9	158.9
37.5°	167.8	166.0	160.7	158.1	151.9	147.5	144.8	152.8	160.7
40°	161.6	160.7	154.5	151.9	146.6	143.0	138.6	153.6	158.1
42.5°	155.4	154.5	148.3	145.7	140.4	136.9	134.2	151.0	151.9
45°	154.5	149.2	143.0	138.6	134.2	130.7	133.3	144.8	147.5
47.5°	151.9	146.6	136.9	131.6	127.2	123.6	132.5	140.4	148.3
50°	150.1	143.9	129.8	125.4	120.1	116.6	128.9	141.3	146.6
52.5°	145.7	141.3	123.6	117.4	113.0	109.5	121.0	137.7	137.7
55°	138.6	136.0	120.1	109.5	106.0	102.4	116.6	128.0	128.9
57.5°	128.9	128.0	115.7	101.5	98.0	95.4	114.8	119.2	119.2
60°	117.4	118.3	110.4	93.6	90.9	89.2	108.6	108.6	108.6
62.5°	106.8	106.8	103.3	86.5	83.0	83.9	98.9	98.9	98.9
65°	95.4	95.4	94.5	78.6	75.1	79.5	89.2	89.2	89.2
67.5°	84.8	84.8	83.9	69.8	67.1	71.5	79.5	78.6	78.6
70°	75.1	75.1	73.3	63.6	58.3	64.5	68.9	69.8	68.9
72.5°	65.3	64.5	62.7	57.4	49.4	59.2	59.2	59.2	58.3
75°	54.7	54.7	53.0	49.4	41.5	49.4	49.4	49.4	50.3
77.5°	45.9	45.0	43.3	39.7	32.7	38.9	39.7	39.7	39.7
80°	36.2	36.2	34.4	30.0	25.6	30.0	30.0	30.9	31.8
82.5°	28.3	28.3	26.5	23.0	17.7	21.2	22.1	23.0	23.0
85°	22.1	22.1	19.4	15.9	10.6	14.1	15.9	16.8	15.9
87.5°	15.9	15.9	14.1	10.6	6.2	8.8	8.8	9.7	8.8
90°	4.4	4.4	3.5	2.6	0.9	2.6	3.5	2.6	1.8
92.5°	7.9	8.8	10.6	12.4	10.6	14.1	17.7	18.5	18.5
95°	30.0	30.0	31.8	30.9	29.1	30.9	31.8	35.3	34.4
97.5°	60.9	60.0	58.3	53.9	51.2	49.4	50.3	52.1	52.1
100°	94.5	92.7	87.4	87.4	74.2	70.6	71.5	71.5	71.5
102.5°	131.6	128.0	119.2	111.3	99.8	96.2	93.6	92.7	92.7
105°	166.0	164.2	174.8	139.5	127.2	121.0	116.6	115.7	116.6
107.5°	206.6	203.1	208.4	172.2	156.3	146.6	142.2	139.5	138.6
110°	258.7	293.2	227.8	205.7	184.5	173.1	167.8	165.1	165.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	340.8	298.5	263.1	238.4	211.9	200.4	192.5	189.8	189.0
115°	331.1	321.4	299.3	272.0	241.1	226.9	217.2	214.6	211.9
117.5°	368.2	360.3	333.8	304.6	269.3	253.4	241.1	238.4	234.9
120°	407.1	398.2	371.7	334.7	295.8	276.4	265.8	263.1	260.5
122.5°	451.2	436.2	407.1	367.3	323.2	300.2	288.7	285.2	283.4
125°	488.3	472.4	440.6	394.7	349.7	323.2	313.5	308.2	304.6
127.5°	522.7	510.4	474.2	424.7	374.4	346.1	333.8	329.4	328.5
130°	556.3	544.8	506.8	454.7	400.0	367.3	357.6	351.4	350.6
132.5°	591.6	574.8	536.9	481.2	424.7	390.3	377.9	372.6	371.7
135°	621.6	607.5	566.9	506.0	448.6	411.5	399.1	392.9	391.2
137.5°	649.0	637.5	593.4	531.6	471.5	434.4	417.7	412.4	410.6
140°	678.1	662.3	617.2	554.5	494.5	457.4	435.3	431.8	427.4
142.5°	702.9	687.0	636.6	578.4	516.6	475.9	451.2	450.3	445.0
145°	725.8	706.4	656.1	599.6	536.0	494.5	468.9	465.3	460.9
147.5°	737.3	723.2	674.6	616.3	555.4	513.0	486.5	482.1	476.8
150°	749.7	733.8	688.7	633.1	574.8	529.8	504.2	496.2	490.9
152.5°	755.0	740.8	698.5	647.2	591.6	546.6	519.2	508.6	505.1
155°	759.4	745.3	706.4	658.7	607.5	562.5	534.2	521.9	519.2
157.5°	759.4	747.0	709.9	667.5	622.5	579.2	548.3	536.9	535.1
160°	756.7	747.0	714.3	673.7	633.1	594.3	564.2	551.9	549.2
162.5°	754.1	746.1	716.1	680.8	641.9	607.5	579.2	567.8	564.2
165°	752.3	744.4	714.3	686.1	649.9	619.9	593.4	582.8	578.4
167.5°	743.5	736.4	709.9	689.6	657.0	632.2	605.7	599.6	591.6
170°	730.2	724.9	705.5	691.4	663.1	641.1	619.0	611.9	605.7
172.5°	717.0	713.5	699.3	690.5	667.5	650.8	632.2	629.6	619.9
175°	701.1	701.1	688.7	685.2	670.2	657.8	646.4	643.7	635.8
177.5°	687.0	688.7	679.0	679.0	673.7	665.8	657.0	659.6	651.7
180°	672.0	672.0	672.0	672.0	672.0	672.0	672.0	672.0	672.0

(END OF REPORT)