

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: P275286

Luminaire Tested: **JW-WL-30L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275286
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 (6500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3151.2 lumens
Efficiency: N/A
Efficacy: 109.4 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

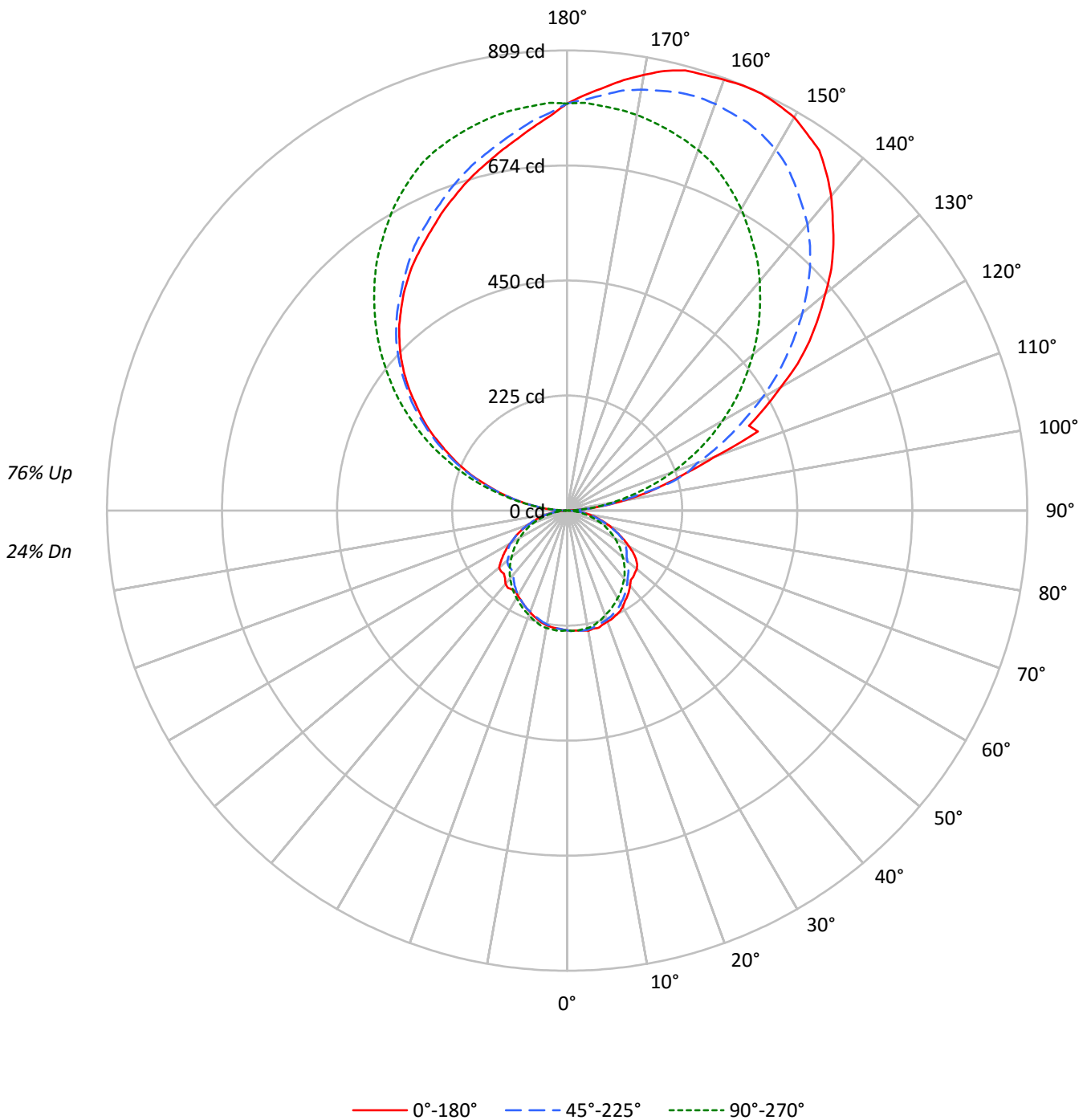
Input Watts (W): 28.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3780	3780	3780
5°	3810	3810	3742
10°	3907	3820	3735
15°	3965	3791	3686
20°	3967	3735	3627
25°	4021	3706	3593
30°	4053	3682	3585
35°	4037	3666	3708
40°	4030	3657	3943
45°	4176	3626	3984
50°	4464	3569	4358
55°	4619	3530	4296
60°	4489	3475	4149
65°	4313	3393	4031
70°	4192	3257	3847
75°	4042	3063	3718
80°	3980	2817	3496
85°	4835	2316	3483



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	0.7
10°-20°	64.0	2.0
20°-30°	97.3	3.1
30°-40°	118.8	3.8
40°-50°	128.9	4.1
50°-60°	125.7	4.0
60°-70°	101.2	3.2
70°-80°	62.1	2.0
80°-90°	21.9	0.7
90°-100°	45.1	1.4
100°-110°	172.7	5.5
110°-120°	304.2	9.7
120°-130°	396.4	12.6
130°-140°	437.8	13.9
140°-150°	418.1	13.3
150°-160°	339.5	10.8
160°-170°	219.5	7.0
170°-180°	75.6	2.4
0°-30°	183.6	5.8
0°-40°	302.3	9.6
0°-60°	557.0	17.7
0°-90°	742.3	23.6
90°-120°	522.0	16.6
90°-150°	1774.3	56.3
90°-180°	2409.0	76.4
0°-180°	3151.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	234	234	234	234	234	
5°	235	236	235	231	231	23
15°	237	232	227	218	220	67
25°	226	220	208	202	202	104
35°	205	198	186	179	188	128
45°	183	169	159	158	174	141
55°	164	142	125	138	153	145
65°	113	112	89	106	106	112
75°	65	63	49	58	60	69
85°	26	23	12	19	19	25
90°	5	4	1	4	2	5
95°	36	38	34	38	41	46
105°	196	207	150	138	138	212
115°	392	354	285	257	251	402
125°	578	522	414	371	360	515
135°	736	671	531	472	463	567
145°	859	776	634	555	546	534
155°	899	836	719	632	614	414
165°	890	845	769	702	684	251
175°	830	815	793	765	752	80
180°	795	795	795	795	795	



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CATALOG NUMBER: JW-WL-30L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1
2.5°	235.1	236.2	236.2	235.1	235.1	235.1	232.0	233.0	232.0
5°	235.1	238.3	236.2	236.2	235.1	233.0	230.9	232.0	230.9
7.5°	236.2	238.3	236.2	235.1	234.1	230.9	228.9	228.9	229.9
10°	238.3	238.3	236.2	235.1	233.0	228.9	225.7	225.7	227.8
12.5°	236.2	238.3	234.1	233.0	230.9	226.8	222.6	222.6	224.7
15°	237.2	236.2	232.0	229.9	226.8	223.6	218.4	218.4	220.5
17.5°	233.0	235.1	228.9	226.8	222.6	219.5	214.2	214.2	216.3
20°	230.9	233.0	226.8	222.6	217.4	215.3	210.0	211.1	211.1
22.5°	228.9	229.9	223.6	218.4	213.2	210.0	206.9	206.9	206.9
25°	225.7	225.7	219.5	213.2	208.0	203.8	201.7	201.7	201.7
27.5°	222.6	221.5	215.3	209.0	202.7	198.6	196.5	196.5	196.5
30°	217.4	215.3	209.0	202.7	197.5	193.3	191.2	190.2	192.3
32.5°	210.0	209.0	203.8	197.5	192.3	187.1	185.0	185.0	187.1
35°	204.8	202.7	197.5	191.2	186.0	180.8	178.7	179.7	188.1
37.5°	198.6	196.5	190.2	187.1	179.7	174.5	171.4	180.8	190.2
40°	191.2	190.2	182.9	179.7	173.5	169.3	164.1	181.8	187.1
42.5°	183.9	182.9	175.6	172.4	166.2	162.0	158.8	178.7	179.7
45°	182.9	176.6	169.3	164.1	158.8	154.7	157.8	171.4	174.5
47.5°	179.7	173.5	162.0	155.7	150.5	146.3	156.8	166.2	175.6
50°	177.7	170.3	153.6	148.4	142.1	137.9	152.6	167.2	173.5
52.5°	172.4	167.2	146.3	139.0	133.8	129.6	143.2	163.0	163.0
55°	164.1	160.9	142.1	129.6	125.4	121.2	137.9	151.5	152.6
57.5°	152.6	151.5	136.9	120.2	116.0	112.9	135.9	141.1	141.1
60°	139.0	140.0	130.6	110.8	107.6	105.5	128.5	128.5	128.5
62.5°	126.4	126.4	122.3	102.4	98.2	99.3	117.0	117.0	117.0
65°	112.9	112.9	111.8	93.0	88.8	94.1	105.5	105.5	105.5
67.5°	100.3	100.3	99.3	82.6	79.4	84.6	94.1	93.0	93.0
70°	88.8	88.8	86.7	75.2	69.0	76.3	81.5	82.6	81.5
72.5°	77.3	76.3	74.2	67.9	58.5	70.0	70.0	70.0	69.0
75°	64.8	64.8	62.7	58.5	49.1	58.5	58.5	58.5	59.6
77.5°	54.3	53.3	51.2	47.0	38.7	46.0	47.0	47.0	47.0
80°	42.8	42.8	40.8	35.5	30.3	35.5	35.5	36.6	37.6
82.5°	33.4	33.4	31.4	27.2	20.9	25.1	26.1	27.2	27.2
85°	26.1	26.1	23.0	18.8	12.5	16.7	18.8	19.9	18.8
87.5°	18.8	18.8	16.7	12.5	7.3	10.5	10.5	11.5	10.5
90°	5.2	5.2	4.2	3.1	1.0	3.1	4.2	3.1	2.1
92.5°	9.4	10.5	12.5	14.6	12.5	16.7	20.9	21.9	21.9
95°	35.5	35.5	37.6	36.6	34.5	36.6	37.6	41.8	40.8
97.5°	72.1	71.1	69.0	63.7	60.6	58.5	59.6	61.7	61.7
100°	111.8	109.7	103.5	103.5	87.8	83.6	84.6	84.6	84.6
102.5°	155.7	151.5	141.1	131.7	118.1	113.9	110.8	109.7	109.7
105°	196.5	194.4	206.9	165.1	150.5	143.2	137.9	136.9	137.9
107.5°	244.5	240.4	246.6	203.8	185.0	173.5	168.2	165.1	164.1
110°	306.2	346.9	269.6	243.5	218.4	204.8	198.6	195.4	195.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	403.4	353.2	311.4	282.2	250.8	237.2	227.8	224.7	223.6
115°	391.9	380.4	354.3	321.9	285.3	268.6	257.1	253.9	250.8
117.5°	435.8	426.4	395.0	360.5	318.7	299.9	285.3	282.2	278.0
120°	481.7	471.3	439.9	396.1	350.1	327.1	314.5	311.4	308.3
122.5°	534.0	516.2	481.7	434.7	382.5	355.3	341.7	337.5	335.4
125°	577.9	559.1	521.5	467.1	413.8	382.5	371.0	364.7	360.5
127.5°	618.6	604.0	561.2	502.6	443.1	409.6	395.0	389.8	388.7
130°	658.4	644.8	599.8	538.2	473.4	434.7	423.2	415.9	414.9
132.5°	700.2	680.3	635.4	569.5	502.6	461.9	447.3	441.0	439.9
135°	735.7	719.0	670.9	598.8	530.9	487.0	472.3	465.0	462.9
137.5°	768.1	754.5	702.2	629.1	558.0	514.1	494.3	488.0	485.9
140°	802.6	783.8	730.5	656.3	585.2	541.3	515.2	511.0	505.8
142.5°	831.8	813.0	753.4	684.5	611.3	563.3	534.0	533.0	526.7
145°	859.0	836.0	776.4	709.6	634.3	585.2	554.9	550.7	545.5
147.5°	872.6	855.9	798.4	729.4	657.3	607.1	575.8	570.6	564.3
150°	887.2	868.4	815.1	749.3	680.3	627.0	596.7	587.3	581.0
152.5°	893.5	876.8	826.6	766.0	700.2	646.9	614.5	601.9	597.7
155°	898.7	882.0	836.0	779.6	719.0	665.7	632.2	617.6	614.5
157.5°	898.7	884.1	840.2	790.0	736.7	685.5	648.9	635.4	633.3
160°	895.6	884.1	845.4	797.3	749.3	703.3	667.8	653.1	650.0
162.5°	892.4	883.0	847.5	805.7	759.7	719.0	685.5	671.9	667.8
165°	890.3	880.9	845.4	812.0	769.1	733.6	702.2	689.7	684.5
167.5°	879.9	871.5	840.2	816.1	777.5	748.2	716.9	709.6	700.2
170°	864.2	857.9	835.0	818.2	784.8	758.7	732.5	724.2	716.9
172.5°	848.5	844.4	827.6	817.2	790.0	770.2	748.2	745.1	733.6
175°	829.7	829.7	815.1	810.9	793.2	778.5	764.9	761.8	752.4
177.5°	813.0	815.1	803.6	803.6	797.3	787.9	777.5	780.6	771.2
180°	795.2	795.2	795.2	795.2	795.2	795.2	795.2	795.2	795.2

(END OF REPORT)