

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: P253356

Luminaire Tested: **JW-WL-30L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-20-R2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-30L830-1D-UNV-STD-W-4
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
Light Source: (112) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2859.8 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.29 / 1.55
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

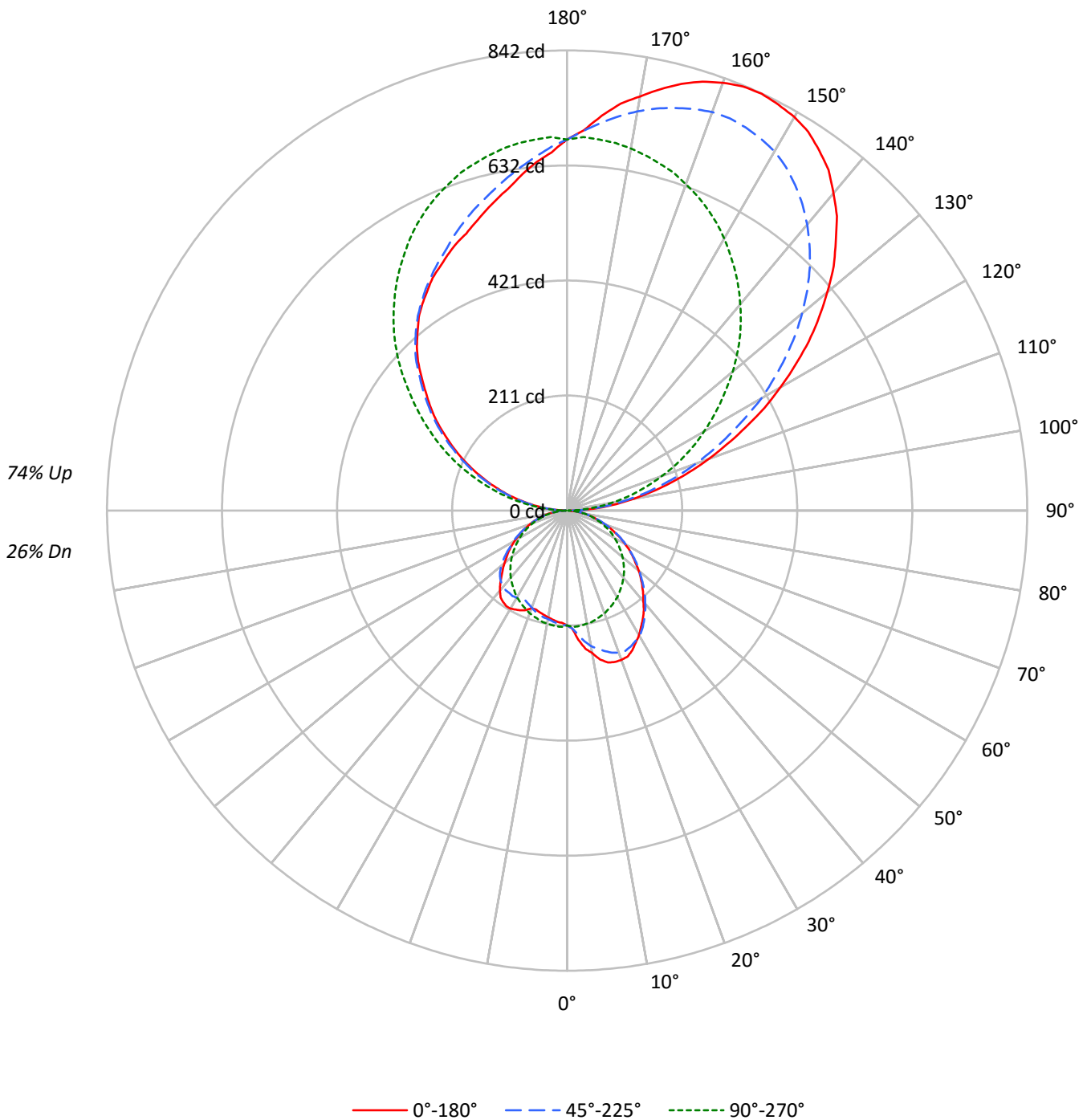
Input Watts (W): 24.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26				
1	92	88	84	81	82	79	75	72	61	59	57	45	43	42	30	29	28	22				
2	84	77	71	66	74	68	63	59	53	50	47	39	37	35	26	25	24	18				
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15				
4	70	59	51	46	62	53	46	41	41	37	33	30	27	25	20	18	17	13				
5	64	52	45	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11				
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9				
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8				
8	50	38	30	25	44	34	28	23	27	22	19	20	17	14	14	12	10	7				
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	13	10	9	7				
10	43	31	24	20	38	28	22	18	22	18	15	17	14	11	12	9	8	6				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	3391	3391	3391
5°	3848	3451	3311
10°	4340	3443	3254
15°	4809	3438	3223
20°	4993	3436	3263
25°	5024	3422	3588
30°	4909	3419	3863
35°	4764	3388	4027
40°	4578	3381	4032
45°	4434	3350	3877
50°	4300	3326	3758
55°	4130	3279	3685
60°	3949	3229	3578
65°	3736	3186	3519
70°	3465	3125	3394
75°	3231	3051	3319
80°	2808	3013	3347
85°	2668	2927	3724



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	0.7
10°-20°	64.3	2.2
20°-30°	103.2	3.6
30°-40°	129.5	4.5
40°-50°	135.6	4.7
50°-60°	122.3	4.3
60°-70°	93.8	3.3
70°-80°	55.6	1.9
80°-90°	20.0	0.7
90°-100°	48.1	1.7
100°-110°	153.7	5.4
110°-120°	260.9	9.1
120°-130°	345.3	12.1
130°-140°	385.5	13.5
140°-150°	368.4	12.9
150°-160°	297.6	10.4
160°-170°	190.4	6.7
170°-180°	64.9	2.3
0°-30°	188.3	6.6
0°-40°	317.9	11.1
0°-60°	575.7	20.1
0°-90°	745.2	26.1
90°-120°	462.6	16.2
90°-150°	1561.8	54.6
90°-180°	2115.0	74.0
0°-180°	2859.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	210	210	210	210	210	
5°	237	227	213	207	204	24
15°	288	266	206	196	193	81
25°	282	275	192	181	201	129
35°	242	245	172	184	204	151
45°	194	198	147	173	170	150
55°	147	148	116	135	131	131
65°	98	100	83	92	92	97
75°	52	53	49	52	53	54
85°	14	16	16	19	20	15
90°	6	4	2	3	3	7
95°	59	52	39	31	30	62
105°	196	178	133	114	112	208
115°	360	327	237	206	201	358
125°	540	487	342	300	295	481
135°	695	628	447	391	386	536
145°	804	727	536	465	462	503
155°	842	773	608	526	516	388
165°	808	762	657	589	570	229
175°	725	712	681	650	640	71
180°	679	679	679	679	679	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0
2.5°	215.8	218.0	215.8	212.2	212.9	209.3	209.3	207.9	205.7
5°	237.4	235.2	227.3	214.4	212.9	207.9	207.2	205.7	204.3
7.5°	254.6	251.8	241.0	219.4	211.5	206.4	204.3	202.8	201.4
10°	264.7	262.5	251.8	225.1	210.0	204.3	201.4	200.0	198.5
12.5°	279.1	274.1	259.0	230.9	208.6	201.4	200.0	197.1	195.7
15°	287.7	284.8	266.1	235.2	205.7	198.5	196.4	194.2	192.8
17.5°	290.6	289.2	272.6	238.8	202.8	195.7	193.5	190.6	189.9
20°	290.6	289.2	276.9	238.8	200.0	191.3	189.2	187.7	189.9
22.5°	289.2	287.0	277.7	238.1	195.7	187.7	184.9	190.6	197.1
25°	282.0	283.4	274.8	236.7	192.1	183.4	181.3	197.8	201.4
27.5°	271.9	275.5	269.7	235.9	187.7	179.1	181.3	198.5	204.3
30°	263.3	264.7	265.4	234.5	183.4	174.1	184.1	201.4	207.2
32.5°	251.8	253.2	256.1	230.9	177.7	169.0	185.6	202.8	207.2
35°	241.7	243.1	245.3	226.6	171.9	164.0	184.1	200.7	204.3
37.5°	230.2	231.6	234.5	220.1	166.2	158.2	184.1	196.4	200.0
40°	217.2	219.4	222.3	212.9	160.4	151.8	182.7	192.1	191.3
42.5°	205.7	206.4	210.8	205.0	153.9	146.7	178.4	182.7	181.3
45°	194.2	194.9	197.8	195.7	146.7	143.1	173.4	171.9	169.8
47.5°	182.7	182.0	184.9	187.0	139.5	140.3	166.9	161.1	159.7
50°	171.2	170.5	172.6	176.2	132.4	136.7	156.8	151.1	149.6
52.5°	158.2	159.0	161.1	163.3	124.4	130.9	146.7	141.0	139.5
55°	146.7	146.7	148.2	150.3	116.5	126.6	135.2	130.9	130.9
57.5°	135.2	135.2	135.9	138.1	108.6	120.8	123.7	121.6	120.8
60°	122.3	123.0	123.7	126.6	100.0	114.4	113.7	111.5	110.8
62.5°	110.8	110.8	111.5	113.7	92.8	105.7	103.6	101.4	100.7
65°	97.8	99.3	100.0	102.9	83.4	97.1	92.1	92.1	92.1
67.5°	86.3	86.3	87.0	89.9	74.8	84.9	82.0	82.0	80.6
70°	73.4	74.8	74.8	77.7	66.2	73.4	71.9	72.7	71.9
72.5°	61.9	63.3	64.0	65.5	57.5	63.3	61.9	61.9	63.3
75°	51.8	51.8	53.2	53.9	48.9	52.5	52.5	53.2	53.2
77.5°	40.3	41.7	41.7	44.6	41.0	43.2	43.2	44.6	44.6
80°	30.2	31.6	31.6	36.0	32.4	33.8	34.5	36.0	36.0
82.5°	21.6	23.0	23.0	30.2	23.7	25.9	26.6	27.3	27.3
85°	14.4	14.4	15.8	23.0	15.8	18.0	18.7	20.1	20.1
87.5°	5.8	7.2	8.6	17.3	9.4	12.2	12.2	11.5	11.5
90°	5.8	5.8	4.3	11.5	2.2	3.6	2.9	2.9	2.9
92.5°	31.6	30.2	25.2	30.2	17.3	16.5	12.9	12.2	12.9
95°	59.0	57.5	52.5	48.9	38.8	33.8	30.9	30.2	30.2
97.5°	90.6	88.5	80.6	74.8	60.4	53.9	50.4	48.2	48.9
100°	122.3	120.1	111.5	102.1	84.2	75.5	70.5	68.3	69.1
102.5°	158.2	155.4	143.9	128.8	108.6	97.1	92.8	89.2	87.8
105°	195.7	191.3	177.7	159.0	133.1	120.8	114.4	110.8	112.2
107.5°	234.5	229.5	213.6	187.7	158.2	144.6	137.4	133.8	132.4
110°	274.8	269.0	250.3	219.4	184.1	167.6	159.0	156.1	155.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	316.5	310.0	287.7	252.5	211.5	191.3	183.4	179.1	178.4
115°	359.7	351.0	326.6	284.1	237.4	216.5	206.4	202.1	201.4
117.5°	407.1	397.1	366.8	317.2	264.0	240.2	229.5	225.1	224.4
120°	450.3	440.2	410.0	349.6	289.2	263.3	253.2	248.2	247.4
122.5°	494.9	484.1	448.1	386.3	315.1	286.3	276.9	271.2	270.5
125°	539.5	525.8	487.0	420.8	341.7	307.9	300.0	294.2	294.9
127.5°	581.2	566.1	525.1	451.7	367.6	329.4	322.3	317.2	316.5
130°	621.5	606.4	561.1	481.9	395.6	351.0	344.5	338.8	338.1
132.5°	661.8	643.8	595.6	510.7	421.5	374.8	366.8	361.1	361.1
135°	694.9	679.7	628.0	539.5	446.7	395.6	391.3	385.6	385.6
137.5°	730.8	712.1	656.7	564.7	470.4	416.5	411.4	407.1	407.1
140°	758.2	739.5	683.3	588.4	492.7	436.6	430.1	425.1	425.8
142.5°	785.5	764.6	707.1	610.7	515.0	457.5	448.8	444.5	446.0
145°	804.2	784.8	727.2	630.1	535.9	476.9	464.7	461.1	461.8
147.5°	821.5	801.3	745.2	647.4	555.3	495.6	481.2	476.9	476.2
150°	831.5	812.8	758.9	662.5	574.7	514.3	496.3	489.9	492.0
152.5°	837.3	820.0	767.5	675.4	592.7	533.0	511.4	504.2	503.5
155°	841.6	822.9	773.3	686.2	608.5	550.3	525.8	517.2	516.5
157.5°	840.2	822.9	776.9	694.1	622.9	566.8	543.1	528.7	529.4
160°	833.0	817.9	776.1	701.3	635.2	582.6	558.9	541.6	539.5
162.5°	822.9	810.7	770.4	704.9	648.1	598.5	574.7	558.9	553.9
165°	808.5	797.7	762.5	704.9	656.7	612.1	589.1	574.0	569.7
167.5°	789.8	780.5	753.8	704.9	665.4	625.1	604.2	588.4	585.5
170°	769.7	763.2	741.6	700.6	672.6	637.3	620.0	604.9	601.3
172.5°	751.0	744.5	727.9	696.3	678.3	650.3	635.2	622.2	621.5
175°	725.1	721.5	712.1	690.5	681.2	659.6	650.3	640.2	640.2
177.5°	696.3	699.2	695.6	684.8	684.1	669.7	666.1	658.9	656.0
180°	679.0	679.0	679.0	679.0	679.0	679.0	679.0	679.0	679.0

(END OF REPORT)