

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: P253362

Luminaire Tested: **JW-WL-30L840-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

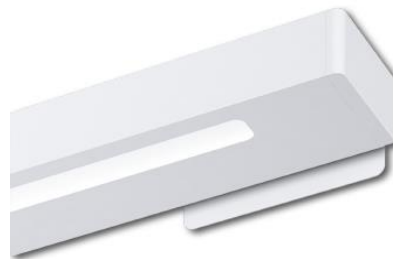
Test Information

Test Method: LM-79-08
Report Number: P253362
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-30L840-1D-UNV-STD-W-4
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
Light Source: (112) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3031.4 lumens
Efficiency: N/A
Efficacy: 121.7 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

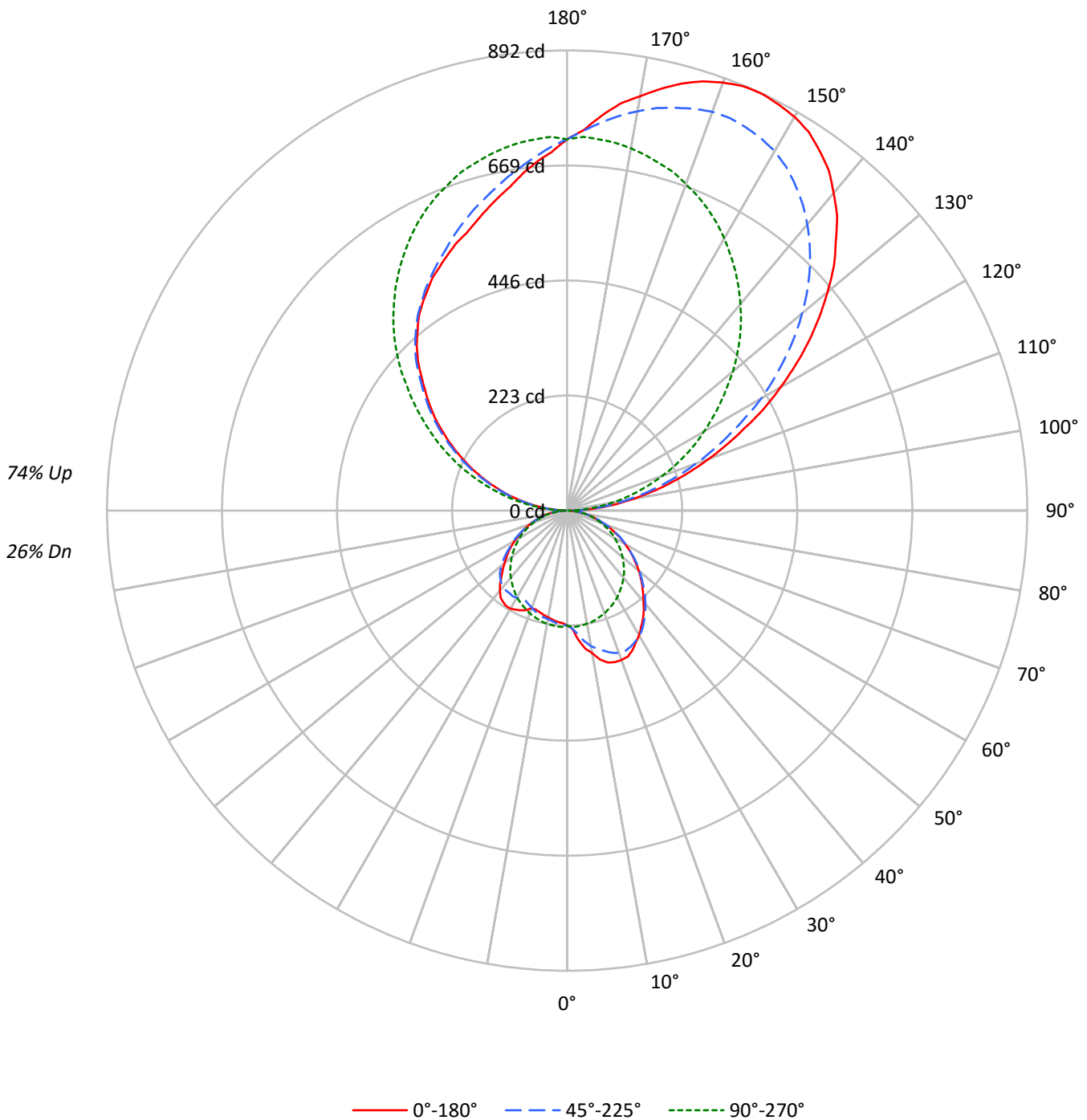
Input Watts (W): 24.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P253362

CATALOG NUMBER: JW-WL-30L840-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P253362

CATALOG NUMBER: JW-WL-30L840-1D-UNV-STD-W-4

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	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°	3594	3594	3594
5°	4078	3658	3509
10°	4600	3650	3449
15°	5098	3646	3415
20°	5292	3643	3459
25°	5325	3627	3803
30°	5203	3624	4094
35°	5050	3591	4267
40°	4854	3583	4274
45°	4701	3551	4108
50°	4559	3524	3984
55°	4377	3476	3907
60°	4185	3423	3791
65°	3962	3377	3729
70°	3673	3309	3597
75°	3425	3231	3518
80°	2975	3189	3543
85°	2816	3112	3946



TEST NUMBER: P253362

CATALOG NUMBER: JW-WL-30L840-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	0.7
10°-20°	68.2	2.2
20°-30°	109.3	3.6
30°-40°	137.3	4.5
40°-50°	143.7	4.7
50°-60°	129.6	4.3
60°-70°	99.5	3.3
70°-80°	59.0	1.9
80°-90°	21.2	0.7
90°-100°	51.0	1.7
100°-110°	162.9	5.4
110°-120°	276.5	9.1
120°-130°	366.1	12.1
130°-140°	408.6	13.5
140°-150°	390.4	12.9
150°-160°	315.5	10.4
160°-170°	201.8	6.7
170°-180°	68.8	2.3
0°-30°	199.6	6.6
0°-40°	336.9	11.1
0°-60°	610.2	20.1
0°-90°	789.9	26.1
90°-120°	490.4	16.2
90°-150°	1655.5	54.6
90°-180°	2242.0	74.0
0°-180°	3031.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	223	223	223	223	223	
5°	252	241	226	220	216	25
15°	305	282	218	208	204	86
25°	299	291	204	192	214	137
35°	256	260	182	195	216	160
45°	206	210	156	184	180	159
55°	156	157	124	143	139	139
65°	104	106	88	98	98	103
75°	55	56	52	56	56	58
85°	15	17	17	20	21	16
90°	6	5	2	3	3	7
95°	62	56	41	33	32	65
105°	207	188	141	121	119	220
115°	381	346	252	219	214	379
125°	572	516	362	318	313	510
135°	736	666	474	415	409	568
145°	852	771	568	493	490	533
155°	892	820	645	557	548	411
165°	857	808	696	624	604	243
175°	769	755	722	689	679	75
180°	720	720	720	720	720	



TEST NUMBER: P253362

CATALOG NUMBER: JW-WL-30L840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6
2.5°	228.7	231.0	228.7	224.9	225.7	221.9	221.9	220.4	218.1
5°	251.6	249.3	240.9	227.2	225.7	220.4	219.6	218.1	216.5
7.5°	269.9	266.9	255.4	232.6	224.2	218.8	216.5	215.0	213.5
10°	280.6	278.3	266.9	238.7	222.6	216.5	213.5	212.0	210.4
12.5°	295.8	290.5	274.5	244.8	221.1	213.5	212.0	208.9	207.4
15°	305.0	301.9	282.1	249.3	218.1	210.4	208.2	205.9	204.3
17.5°	308.0	306.5	289.0	253.1	215.0	207.4	205.1	202.1	201.3
20°	308.0	306.5	293.6	253.1	212.0	202.8	200.5	199.0	201.3
22.5°	306.5	304.2	294.3	252.4	207.4	199.0	196.0	202.1	208.9
25°	298.9	300.4	291.3	250.9	203.6	194.4	192.1	209.7	213.5
27.5°	288.2	292.0	285.9	250.1	199.0	189.9	192.1	210.4	216.5
30°	279.1	280.6	281.4	248.6	194.4	184.5	195.2	213.5	219.6
32.5°	266.9	268.4	271.4	244.8	188.3	179.2	196.7	215.0	219.6
35°	256.2	257.7	260.0	240.2	182.2	173.8	195.2	212.7	216.5
37.5°	244.0	245.5	248.6	233.3	176.1	167.7	195.2	208.2	212.0
40°	230.3	232.6	235.6	225.7	170.0	160.9	193.7	203.6	202.8
42.5°	218.1	218.8	223.4	217.3	163.2	155.5	189.1	193.7	192.1
45°	205.9	206.6	209.7	207.4	155.5	151.7	183.8	182.2	179.9
47.5°	193.7	192.9	196.0	198.2	147.9	148.7	176.9	170.8	169.3
50°	181.5	180.7	183.0	186.8	140.3	144.9	166.2	160.1	158.6
52.5°	167.7	168.5	170.8	173.1	131.9	138.8	155.5	149.4	147.9
55°	155.5	155.5	157.1	159.4	123.5	134.2	143.3	138.8	138.8
57.5°	143.3	143.3	144.1	146.4	115.1	128.1	131.1	128.9	128.1
60°	129.6	130.4	131.1	134.2	106.0	121.2	120.5	118.2	117.4
62.5°	117.4	117.4	118.2	120.5	98.4	112.1	109.8	107.5	106.7
65°	103.7	105.2	106.0	109.0	88.4	102.9	97.6	97.6	97.6
67.5°	91.5	91.5	92.3	95.3	79.3	90.0	86.9	86.9	85.4
70°	77.8	79.3	79.3	82.3	70.1	77.8	76.2	77.0	76.2
72.5°	65.6	67.1	67.9	69.4	61.0	67.1	65.6	65.6	67.1
75°	54.9	54.9	56.4	57.2	51.8	55.7	55.7	56.4	56.4
77.5°	42.7	44.2	44.2	47.3	43.5	45.7	45.7	47.3	47.3
80°	32.0	33.5	33.5	38.1	34.3	35.8	36.6	38.1	38.1
82.5°	22.9	24.4	24.4	32.0	25.2	27.4	28.2	29.0	29.0
85°	15.2	15.2	16.8	24.4	16.8	19.1	19.8	21.3	21.3
87.5°	6.1	7.6	9.1	18.3	9.9	13.0	13.0	12.2	12.2
90°	6.1	6.1	4.6	12.2	2.3	3.8	3.0	3.0	3.0
92.5°	33.5	32.0	26.7	32.0	18.3	17.5	13.7	13.0	13.7
95°	62.5	61.0	55.7	51.8	41.2	35.8	32.8	32.0	32.0
97.5°	96.1	93.8	85.4	79.3	64.0	57.2	53.4	51.1	51.8
100°	129.6	127.3	118.2	108.3	89.2	80.1	74.7	72.4	73.2
102.5°	167.7	164.7	152.5	136.5	115.1	102.9	98.4	94.5	93.0
105°	207.4	202.8	188.3	168.5	141.1	128.1	121.2	117.4	118.9
107.5°	248.6	243.2	226.5	199.0	167.7	153.3	145.6	141.8	140.3
110°	291.3	285.2	265.3	232.6	195.2	177.7	168.5	165.5	164.7



TEST NUMBER: P253362

CATALOG NUMBER: JW-WL-30L840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	335.5	328.6	305.0	267.6	224.2	202.8	194.4	189.9	189.1
115°	381.2	372.1	346.2	301.2	251.6	229.5	218.8	214.3	213.5
117.5°	431.6	420.9	388.9	336.2	279.8	254.7	243.2	238.7	237.9
120°	477.3	466.6	434.6	370.6	306.5	279.1	268.4	263.1	262.3
122.5°	524.6	513.1	475.0	409.4	334.0	303.5	293.6	287.5	286.7
125°	571.9	557.4	516.2	446.0	362.2	326.3	317.9	311.8	312.6
127.5°	616.1	600.1	556.6	478.8	389.6	349.2	341.6	336.2	335.5
130°	658.8	642.8	594.7	510.9	419.4	372.1	365.2	359.1	358.4
132.5°	701.5	682.4	631.3	541.4	446.8	397.2	388.9	382.8	382.8
135°	736.5	720.5	665.6	571.9	473.5	419.4	414.8	408.7	408.7
137.5°	774.7	754.8	696.1	598.5	498.7	441.5	436.1	431.6	431.6
140°	803.6	783.8	724.3	623.7	522.3	462.8	456.0	450.6	451.4
142.5°	832.6	810.5	749.5	647.3	545.9	484.9	475.8	471.2	472.7
145°	852.4	831.9	770.9	667.9	568.0	505.5	492.6	488.7	489.5
147.5°	870.7	849.4	789.9	686.2	588.6	525.3	510.1	505.5	504.8
150°	881.4	861.6	804.4	702.2	609.2	545.2	526.1	519.2	521.5
152.5°	887.5	869.2	813.6	716.0	628.3	565.0	542.1	534.5	533.7
155°	892.1	872.3	819.7	727.4	645.0	583.3	557.4	548.2	547.5
157.5°	890.6	872.3	823.5	735.8	660.3	600.8	575.7	560.4	561.2
160°	882.9	866.9	822.7	743.4	673.3	617.6	592.4	574.1	571.9
162.5°	872.3	859.3	816.6	747.2	687.0	634.4	609.2	592.4	587.1
165°	857.0	845.6	808.2	747.2	696.1	648.9	624.5	608.5	603.9
167.5°	837.2	827.3	799.1	747.2	705.3	662.6	640.5	623.7	620.6
170°	815.8	809.0	786.1	742.6	712.9	675.5	657.2	641.2	637.4
172.5°	796.0	789.2	771.6	738.1	719.0	689.3	673.3	659.5	658.8
175°	768.6	764.8	754.8	732.0	722.1	699.2	689.3	678.6	678.6
177.5°	738.1	741.1	737.3	725.9	725.1	709.9	706.0	698.4	695.4
180°	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8

(END OF REPORT)