

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: P253360

Luminaire Tested: **JW-WL-40L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253360
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-40L835-1D-UNV-STD-W-4
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
Light Source: (112) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3999.3 lumens
Efficiency: N/A
Efficacy: 112.0 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

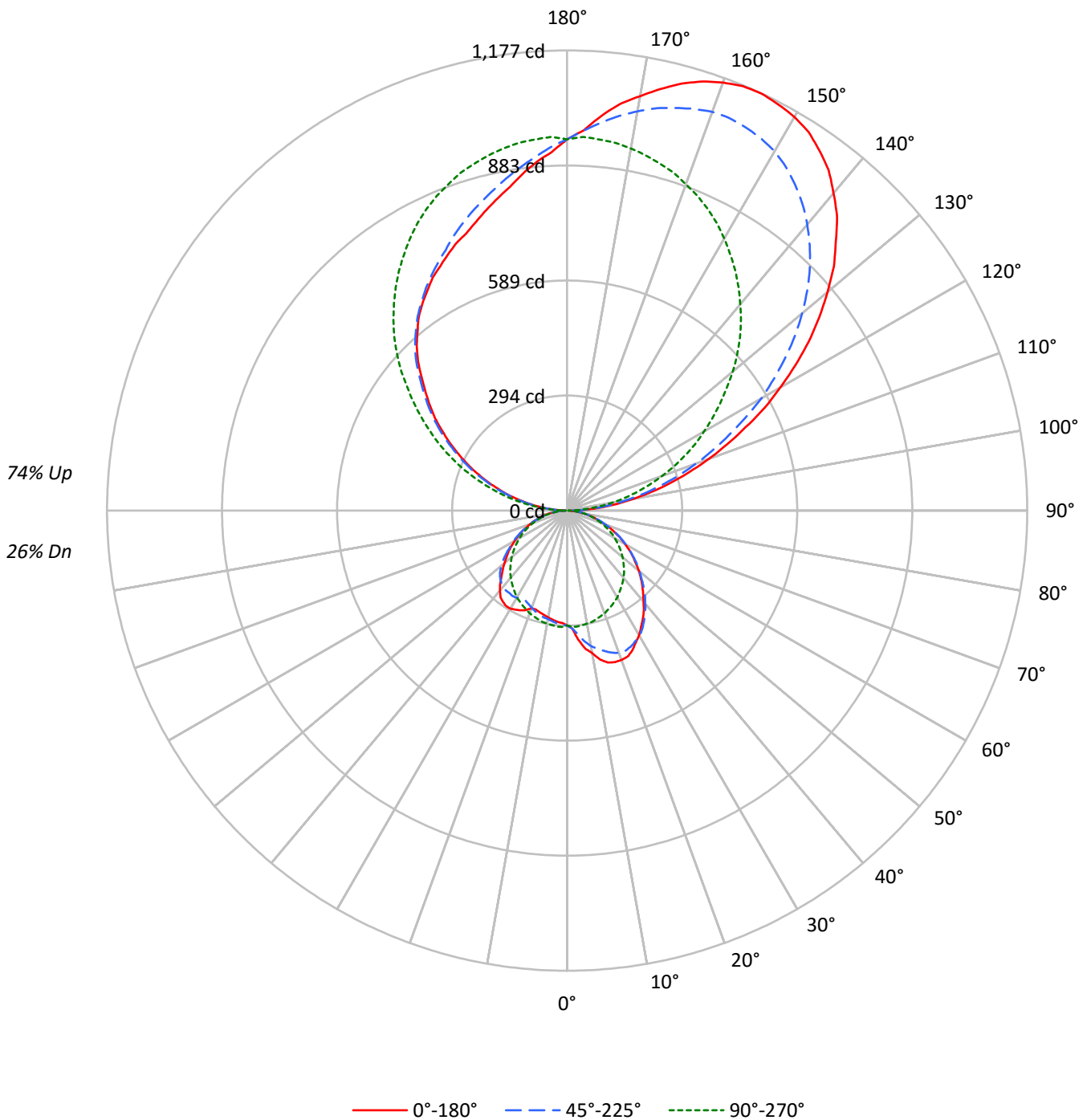
Input Watts (W): 35.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4742	4742	4742
5°	5381	4827	4630
10°	6069	4815	4551
15°	6726	4809	4506
20°	6983	4804	4564
25°	7024	4785	5018
30°	6865	4782	5401
35°	6662	4738	5631
40°	6403	4728	5640
45°	6202	4685	5421
50°	6013	4649	5255
55°	5776	4588	5154
60°	5522	4514	5002
65°	5226	4458	4921
70°	4843	4367	4749
75°	4517	4267	4641
80°	3924	4212	4677
85°	3724	4094	5224



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	0.7
10°-20°	89.9	2.2
20°-30°	144.3	3.6
30°-40°	181.2	4.5
40°-50°	189.6	4.7
50°-60°	171.0	4.3
60°-70°	131.2	3.3
70°-80°	77.8	1.9
80°-90°	28.0	0.7
90°-100°	67.2	1.7
100°-110°	214.9	5.4
110°-120°	364.8	9.1
120°-130°	482.9	12.1
130°-140°	539.1	13.5
140°-150°	515.1	12.9
150°-160°	416.2	10.4
160°-170°	266.2	6.7
170°-180°	90.7	2.3
0°-30°	263.4	6.6
0°-40°	444.5	11.1
0°-60°	805.1	20.1
0°-90°	1042.1	26.1
90°-120°	647.0	16.2
90°-150°	2184.1	54.6
90°-180°	2957.0	73.9
0°-180°	3999.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	294	294	294	294	294	
5°	332	318	298	290	286	33
15°	402	372	288	275	270	113
25°	394	384	269	254	282	181
35°	338	343	240	258	286	211
45°	272	277	205	242	237	210
55°	205	207	163	189	183	184
65°	137	140	117	129	129	136
75°	72	74	68	73	74	76
85°	20	22	22	26	28	21
90°	8	6	3	4	4	9
95°	82	73	54	43	42	86
105°	274	248	186	160	157	290
115°	503	457	332	289	282	500
125°	754	681	478	420	412	673
135°	972	878	625	547	539	750
145°	1125	1017	749	650	646	703
155°	1177	1081	851	735	722	542
165°	1131	1066	918	824	797	321
175°	1014	996	953	909	895	99
180°	950	950	950	950	950	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7	293.7
2.5°	301.8	304.8	301.8	296.7	297.8	292.7	292.7	290.7	287.7
5°	332.0	328.9	317.9	299.8	297.8	290.7	289.7	287.7	285.7
7.5°	356.1	352.1	337.0	306.8	295.7	288.7	285.7	283.7	281.7
10°	370.2	367.2	352.1	314.9	293.7	285.7	281.7	279.6	277.6
12.5°	390.3	383.3	362.1	322.9	291.7	281.7	279.6	275.6	273.6
15°	402.4	398.3	372.2	328.9	287.7	277.6	274.6	271.6	269.6
17.5°	406.4	404.4	381.2	334.0	283.7	273.6	270.6	266.6	265.6
20°	406.4	404.4	387.3	334.0	279.6	267.6	264.6	262.5	265.6
22.5°	404.4	401.4	388.3	333.0	273.6	262.5	258.5	266.6	275.6
25°	394.3	396.3	384.3	330.9	268.6	256.5	253.5	276.6	281.7
27.5°	380.2	385.3	377.2	329.9	262.5	250.5	253.5	277.6	285.7
30°	368.2	370.2	371.2	327.9	256.5	243.4	257.5	281.7	289.7
32.5°	352.1	354.1	358.1	322.9	248.5	236.4	259.5	283.7	289.7
35°	338.0	340.0	343.0	316.9	240.4	229.3	257.5	280.7	285.7
37.5°	321.9	323.9	327.9	307.8	232.4	221.3	257.5	274.6	279.6
40°	303.8	306.8	310.8	297.8	224.3	212.2	255.5	268.6	267.6
42.5°	287.7	288.7	294.7	286.7	215.3	205.2	249.5	255.5	253.5
45°	271.6	272.6	276.6	273.6	205.2	200.2	242.4	240.4	237.4
47.5°	255.5	254.5	258.5	261.5	195.1	196.2	233.4	225.3	223.3
50°	239.4	238.4	241.4	246.4	185.1	191.1	219.3	211.2	209.2
52.5°	221.3	222.3	225.3	228.3	174.0	183.1	205.2	197.2	195.1
55°	205.2	205.2	207.2	210.2	163.0	177.0	189.1	183.1	183.1
57.5°	189.1	189.1	190.1	193.1	151.9	169.0	173.0	170.0	169.0
60°	171.0	172.0	173.0	177.0	139.8	159.9	158.9	155.9	154.9
62.5°	154.9	154.9	155.9	158.9	129.8	147.9	144.9	141.8	140.8
65°	136.8	138.8	139.8	143.8	116.7	135.8	128.8	128.8	128.8
67.5°	120.7	120.7	121.7	125.7	104.6	118.7	114.7	114.7	112.7
70°	102.6	104.6	104.6	108.6	92.5	102.6	100.6	101.6	100.6
72.5°	86.5	88.5	89.5	91.5	80.5	88.5	86.5	86.5	88.5
75°	72.4	72.4	74.4	75.4	68.4	73.4	73.4	74.4	74.4
77.5°	56.3	58.3	58.3	62.4	57.3	60.4	60.4	62.4	62.4
80°	42.2	44.3	44.3	50.3	45.3	47.3	48.3	50.3	50.3
82.5°	30.2	32.2	32.2	42.2	33.2	36.2	37.2	38.2	38.2
85°	20.1	20.1	22.1	32.2	22.1	25.1	26.2	28.2	28.2
87.5°	8.0	10.1	12.1	24.1	13.1	17.1	17.1	16.1	16.1
90°	8.0	8.0	6.0	16.1	3.0	5.0	4.0	4.0	4.0
92.5°	44.3	42.2	35.2	42.2	24.1	23.1	18.1	17.1	18.1
95°	82.5	80.5	73.4	68.4	54.3	47.3	43.3	42.2	42.2
97.5°	126.7	123.7	112.7	104.6	84.5	75.4	70.4	67.4	68.4
100°	171.0	168.0	155.9	142.8	117.7	105.6	98.6	95.6	96.6
102.5°	221.3	217.3	201.2	180.1	151.9	135.8	129.8	124.7	122.7
105°	273.6	267.6	248.5	222.3	186.1	169.0	159.9	154.9	156.9
107.5°	327.9	320.9	298.8	262.5	221.3	202.2	192.1	187.1	185.1
110°	384.3	376.2	350.1	306.8	257.5	234.4	222.3	218.3	217.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	442.6	433.6	402.4	353.1	295.7	267.6	256.5	250.5	249.5
115°	503.0	490.9	456.7	397.3	332.0	302.8	288.7	282.7	281.7
117.5°	569.3	555.3	513.0	443.6	369.2	336.0	320.9	314.9	313.8
120°	629.7	615.6	573.4	488.9	404.4	368.2	354.1	347.0	346.0
122.5°	692.1	677.0	626.7	540.2	440.6	400.4	387.3	379.2	378.2
125°	754.4	735.3	681.0	588.5	477.8	430.5	419.5	411.4	412.4
127.5°	812.8	791.7	734.3	631.7	514.0	460.7	450.7	443.6	442.6
130°	869.1	848.0	784.6	674.0	553.3	490.9	481.8	473.8	472.8
132.5°	925.4	900.3	832.9	714.2	589.5	524.1	513.0	505.0	505.0
135°	971.7	950.6	878.2	754.4	624.7	553.3	547.2	539.2	539.2
137.5°	1022.0	995.9	918.4	789.6	657.9	582.4	575.4	569.3	569.3
140°	1060.2	1034.1	955.6	822.8	689.1	610.6	601.5	594.5	595.5
142.5°	1098.5	1069.3	988.8	854.0	720.2	639.8	627.7	621.7	623.7
145°	1124.6	1097.5	1017.0	881.2	749.4	666.9	649.8	644.8	645.8
147.5°	1148.8	1120.6	1042.1	905.3	776.6	693.1	673.0	666.9	665.9
150°	1162.8	1136.7	1061.2	926.4	803.7	719.2	694.1	685.0	688.0
152.5°	1170.9	1146.7	1073.3	944.6	828.9	745.4	715.2	705.1	704.1
155°	1176.9	1150.8	1081.4	959.6	851.0	769.5	735.3	723.3	722.2
157.5°	1174.9	1150.8	1086.4	970.7	871.1	792.7	759.5	739.3	740.4
160°	1164.9	1143.7	1085.4	980.8	888.2	814.8	781.6	757.5	754.4
162.5°	1150.8	1133.7	1077.3	985.8	906.3	836.9	803.7	781.6	774.6
165°	1130.7	1115.6	1066.3	985.8	918.4	856.0	823.8	802.7	796.7
167.5°	1104.5	1091.4	1054.2	985.8	930.5	874.1	845.0	822.8	818.8
170°	1076.3	1067.3	1037.1	979.8	940.5	891.2	867.1	846.0	840.9
172.5°	1050.2	1041.1	1018.0	973.7	948.6	909.3	888.2	870.1	869.1
175°	1014.0	1008.9	995.9	965.7	952.6	922.4	909.3	895.3	895.3
177.5°	973.7	977.8	972.7	957.6	956.6	936.5	931.5	921.4	917.4
180°	949.6	949.6	949.6	949.6	949.6	949.6	949.6	949.6	949.6

(END OF REPORT)