

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: P253357

Luminaire Tested: **JW-WL-40L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

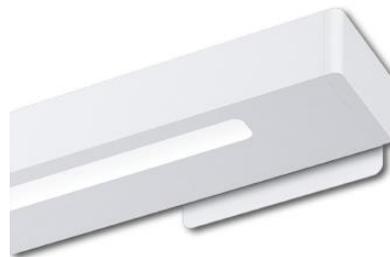
Test Information

Test Method: LM-79-08
Report Number: P253357
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-40L830-1D-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: 3845.5 lumens
Efficiency: N/A
Efficacy: 107.7 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

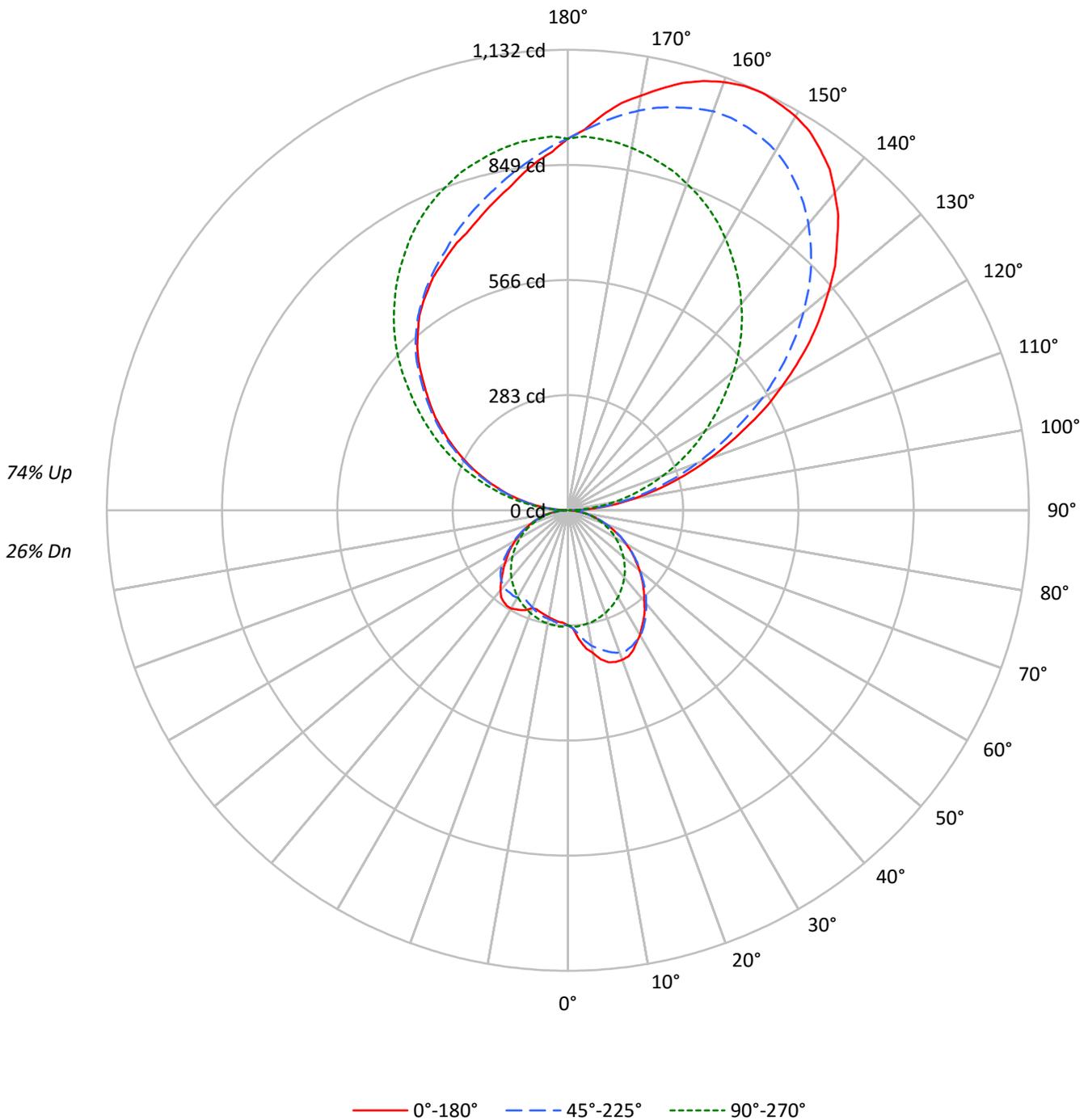
Input Watts (W): 35.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4560	4560	4560
5°	5173	4640	4452
10°	5835	4630	4377
15°	6467	4623	4333
20°	6715	4620	4387
25°	6755	4600	4824
30°	6600	4598	5194
35°	6406	4557	5414
40°	6157	4546	5423
45°	5964	4505	5213
50°	5782	4471	5054
55°	5554	4411	4954
60°	5309	4340	4811
65°	5024	4287	4730
70°	4659	4201	4565
75°	4342	4105	4467
80°	3775	4045	4500
85°	3575	3946	5020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	0.7
10°-20°	86.5	2.2
20°-30°	138.7	3.6
30°-40°	174.2	4.5
40°-50°	182.3	4.7
50°-60°	164.4	4.3
60°-70°	126.2	3.3
70°-80°	74.8	1.9
80°-90°	26.9	0.7
90°-100°	64.6	1.7
100°-110°	206.7	5.4
110°-120°	350.8	9.1
120°-130°	464.4	12.1
130°-140°	518.3	13.5
140°-150°	495.3	12.9
150°-160°	400.2	10.4
160°-170°	256.0	6.7
170°-180°	87.2	2.3
0°-30°	253.2	6.6
0°-40°	427.4	11.1
0°-60°	774.1	20.1
0°-90°	1002.0	26.1
90°-120°	622.1	16.2
90°-150°	2100.1	54.6
90°-180°	2843.0	73.9
0°-180°	3845.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	282	282	282	282	282	
5°	319	306	286	279	275	32
15°	387	358	277	264	259	109
25°	379	370	258	244	271	174
35°	325	330	231	248	275	203
45°	261	266	197	233	228	202
55°	197	199	157	182	176	176
65°	132	134	112	124	124	131
75°	70	72	66	71	72	73
85°	19	21	21	25	27	20
90°	8	6	3	4	4	9
95°	79	71	52	42	41	83
105°	263	239	179	154	151	279
115°	484	439	319	278	271	481
125°	725	655	459	403	397	647
135°	934	844	601	526	518	721
145°	1081	978	721	625	621	676
155°	1132	1040	818	707	694	521
165°	1087	1025	883	792	766	308
175°	975	958	916	874	861	95
180°	913	913	913	913	913	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4
2.5°	290.2	293.1	290.2	285.3	286.3	281.5	281.5	279.5	276.6
5°	319.2	316.3	305.6	288.2	286.3	279.5	278.6	276.6	274.7
7.5°	342.4	338.5	324.0	295.0	284.4	277.6	274.7	272.8	270.8
10°	355.9	353.0	338.5	302.7	282.4	274.7	270.8	268.9	267.0
12.5°	375.3	368.5	348.2	310.5	280.5	270.8	268.9	265.0	263.1
15°	386.9	383.0	357.9	316.3	276.6	267.0	264.1	261.2	259.2
17.5°	390.8	388.8	366.6	321.1	272.8	263.1	260.2	256.3	255.3
20°	390.8	388.8	372.4	321.1	268.9	257.3	254.4	252.4	255.3
22.5°	388.8	385.9	373.4	320.2	263.1	252.4	248.6	256.3	265.0
25°	379.2	381.1	369.5	318.2	258.2	246.6	243.7	266.0	270.8
27.5°	365.6	370.4	362.7	317.3	252.4	240.8	243.7	267.0	274.7
30°	354.0	355.9	356.9	315.3	246.6	234.1	247.6	270.8	278.6
32.5°	338.5	340.5	344.3	310.5	238.9	227.3	249.5	272.8	278.6
35°	325.0	326.9	329.8	304.7	231.2	220.5	247.6	269.9	274.7
37.5°	309.5	311.4	315.3	296.0	223.4	212.8	247.6	264.1	268.9
40°	292.1	295.0	298.9	286.3	215.7	204.1	245.7	258.2	257.3
42.5°	276.6	277.6	283.4	275.7	207.0	197.3	239.9	245.7	243.7
45°	261.2	262.1	266.0	263.1	197.3	192.5	233.1	231.2	228.3
47.5°	245.7	244.7	248.6	251.5	187.6	188.6	224.4	216.7	214.7
50°	230.2	229.2	232.1	237.0	178.0	183.8	210.9	203.1	201.2
52.5°	212.8	213.8	216.7	219.6	167.3	176.0	197.3	189.6	187.6
55°	197.3	197.3	199.2	202.2	156.7	170.2	181.8	176.0	176.0
57.5°	181.8	181.8	182.8	185.7	146.1	162.5	166.4	163.5	162.5
60°	164.4	165.4	166.4	170.2	134.4	153.8	152.8	149.9	149.0
62.5°	149.0	149.0	149.9	152.8	124.8	142.2	139.3	136.4	135.4
65°	131.5	133.5	134.4	138.3	112.2	130.6	123.8	123.8	123.8
67.5°	116.1	116.1	117.0	120.9	100.6	114.1	110.3	110.3	108.3
70°	98.7	100.6	100.6	104.5	89.0	98.7	96.7	97.7	96.7
72.5°	83.2	85.1	86.1	88.0	77.4	85.1	83.2	83.2	85.1
75°	69.6	69.6	71.6	72.5	65.8	70.6	70.6	71.6	71.6
77.5°	54.2	56.1	56.1	60.0	55.1	58.0	58.0	60.0	60.0
80°	40.6	42.6	42.6	48.4	43.5	45.5	46.4	48.4	48.4
82.5°	29.0	31.0	31.0	40.6	31.9	34.8	35.8	36.8	36.8
85°	19.3	19.3	21.3	31.0	21.3	24.2	25.1	27.1	27.1
87.5°	7.7	9.7	11.6	23.2	12.6	16.4	16.4	15.5	15.5
90°	7.7	7.7	5.8	15.5	2.9	4.8	3.9	3.9	3.9
92.5°	42.6	40.6	33.9	40.6	23.2	22.2	17.4	16.4	17.4
95°	79.3	77.4	70.6	65.8	52.2	45.5	41.6	40.6	40.6
97.5°	121.9	119.0	108.3	100.6	81.2	72.5	67.7	64.8	65.8
100°	164.4	161.5	149.9	137.3	113.2	101.6	94.8	91.9	92.9
102.5°	212.8	208.9	193.4	173.1	146.1	130.6	124.8	119.9	118.0
105°	263.1	257.3	238.9	213.8	178.9	162.5	153.8	149.0	150.9
107.5°	315.3	308.5	287.3	252.4	212.8	194.4	184.7	179.9	178.0
110°	369.5	361.7	336.6	295.0	247.6	225.4	213.8	209.9	208.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	425.6	416.9	386.9	339.5	284.4	257.3	246.6	240.8	239.9
115°	483.6	472.0	439.1	382.1	319.2	291.1	277.6	271.8	270.8
117.5°	547.5	533.9	493.3	426.5	355.0	323.1	308.5	302.7	301.8
120°	605.5	591.9	551.3	470.1	388.8	354.0	340.5	333.7	332.7
122.5°	665.5	650.9	602.6	519.4	423.6	385.0	372.4	364.6	363.7
125°	725.4	707.0	654.8	565.8	459.4	414.0	403.3	395.6	396.6
127.5°	781.5	761.2	706.1	607.4	494.3	443.0	433.3	426.5	425.6
130°	835.7	815.4	754.4	648.0	532.0	472.0	463.3	455.6	454.6
132.5°	889.9	865.7	800.9	686.7	566.8	503.9	493.3	485.5	485.5
135°	934.3	914.0	844.4	725.4	600.6	532.0	526.2	518.4	518.4
137.5°	982.7	957.6	883.1	759.3	632.6	560.0	553.3	547.5	547.5
140°	1019.5	994.3	918.9	791.2	662.6	587.1	578.4	571.6	572.6
142.5°	1056.2	1028.2	950.8	821.2	692.5	615.2	603.6	597.7	599.7
145°	1081.4	1055.2	977.9	847.3	720.6	641.3	624.8	620.0	621.0
147.5°	1104.6	1077.5	1002.0	870.5	746.7	666.4	647.1	641.3	640.3
150°	1118.1	1093.0	1020.4	890.8	772.8	691.6	667.4	658.7	661.6
152.5°	1125.9	1102.6	1032.0	908.2	797.0	716.7	687.7	678.0	677.1
155°	1131.7	1106.5	1039.8	922.7	818.3	739.9	707.0	695.4	694.5
157.5°	1129.7	1106.5	1044.6	933.4	837.6	762.2	730.3	710.9	711.9
160°	1120.1	1099.7	1043.6	943.0	854.1	783.5	751.5	728.3	725.4
162.5°	1106.5	1090.1	1035.9	947.9	871.5	804.7	772.8	751.5	744.8
165°	1087.2	1072.7	1025.3	947.9	883.1	823.1	792.2	771.8	766.0
167.5°	1062.0	1049.4	1013.7	947.9	894.7	840.5	812.5	791.2	787.3
170°	1034.9	1026.2	997.2	942.1	904.4	857.0	833.8	813.4	808.6
172.5°	1009.8	1001.1	978.8	936.3	912.1	874.4	854.1	836.7	835.7
175°	975.0	970.1	957.6	928.5	916.0	886.9	874.4	860.8	860.8
177.5°	936.3	940.1	935.3	920.8	919.8	900.5	895.7	886.0	882.1
180°	913.1	913.1	913.1	913.1	913.1	913.1	913.1	913.1	913.1

(END OF REPORT)