

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: P275267

Luminaire Tested: **JW-WL-20L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-20L82765-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2033.8 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

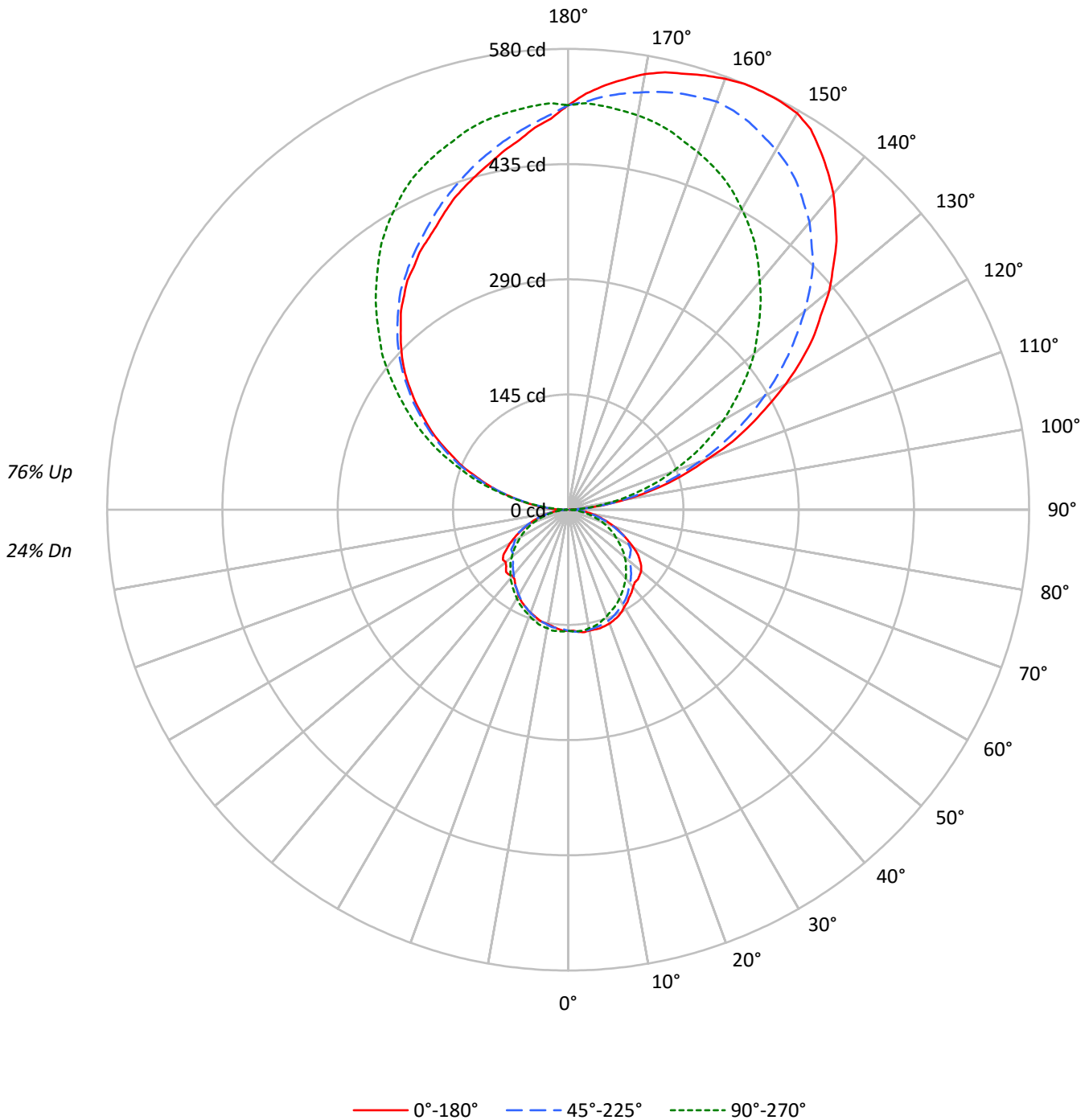
Input Watts (W): 17.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	69	69	69	50	50	50	32	32	32	24				
1	92	87	84	80	81	78	75	72	60	58	56	43	42	41	28	27	26	19				
2	83	76	70	65	74	68	63	58	52	49	46	38	35	33	24	23	22	16				
3	76	67	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	7				
9	46	34	27	22	41	31	24	20	24	19	16	18	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°	2461	2461	2461
5°	2502	2486	2438
10°	2531	2482	2399
15°	2581	2479	2395
20°	2619	2443	2375
25°	2642	2425	2353
30°	2632	2405	2330
35°	2643	2383	2282
40°	2677	2377	2291
45°	2831	2343	2528
50°	3012	2323	2577
55°	3088	2289	2804
60°	3052	2231	2722
65°	2949	2212	2602
70°	2880	2157	2493
75°	2789	1965	2346
80°	2836	1795	2176
85°	3390	1686	2260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.7
10°-20°	41.8	2.1
20°-30°	63.6	3.1
30°-40°	77.0	3.8
40°-50°	83.1	4.1
50°-60°	81.8	4.0
60°-70°	66.5	3.3
70°-80°	41.2	2.0
80°-90°	14.5	0.7
90°-100°	29.2	1.4
100°-110°	110.4	5.4
110°-120°	195.2	9.6
120°-130°	256.1	12.6
130°-140°	282.5	13.9
140°-150°	269.1	13.2
150°-160°	218.3	10.7
160°-170°	140.7	6.9
170°-180°	48.4	2.4
0°-30°	119.9	5.9
0°-40°	196.9	9.7
0°-60°	361.8	17.8
0°-90°	483.9	23.8
90°-120°	334.8	16.5
90°-150°	1142.4	56.2
90°-180°	1550.0	76.2
0°-180°	2033.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	152	152	152	152	152	
5°	154	154	153	149	150	15
15°	154	151	148	143	143	44
25°	148	143	136	132	132	68
35°	134	130	121	116	116	84
45°	124	112	103	99	111	95
55°	110	96	81	87	100	98
65°	77	76	58	69	68	77
75°	45	43	32	38	38	48
85°	18	16	9	12	12	17
90°	1	1	1	2	2	3
95°	21	24	21	26	28	29
105°	131	120	96	89	90	137
115°	253	231	184	167	162	250
125°	376	337	265	239	234	334
135°	478	436	340	304	298	367
145°	553	502	409	358	353	346
155°	580	538	461	404	393	268
165°	568	542	494	450	438	161
175°	536	522	510	489	483	52
180°	509	509	509	509	509	



TEST NUMBER: P275267

CATALOG NUMBER: JW-WL-20L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4
2.5°	152.4	153.4	153.4	153.4	153.4	153.4	150.4	151.4	152.4
5°	154.4	154.4	154.4	153.4	153.4	152.4	149.4	150.4	150.4
7.5°	155.4	155.4	154.4	153.4	153.4	152.4	149.4	149.4	148.3
10°	154.4	155.4	153.4	153.4	151.4	150.4	147.3	147.3	146.3
12.5°	154.4	155.4	152.4	151.4	150.4	147.3	145.3	145.3	145.3
15°	154.4	155.4	151.4	150.4	148.3	145.3	143.3	143.3	143.3
17.5°	153.4	153.4	150.4	147.3	145.3	142.2	141.2	141.2	140.2
20°	152.4	152.4	148.3	145.3	142.2	139.2	138.2	138.2	138.2
22.5°	150.4	150.4	146.3	143.3	139.2	136.1	135.1	135.1	135.1
25°	148.3	147.3	143.3	140.2	136.1	133.1	132.1	131.1	132.1
27.5°	145.3	144.3	140.2	136.1	133.1	130.0	128.0	128.0	129.0
30°	141.2	141.2	137.2	133.1	129.0	126.0	124.0	124.0	125.0
32.5°	138.2	138.2	134.1	129.0	125.0	122.9	119.9	119.9	119.9
35°	134.1	134.1	130.0	125.0	120.9	117.9	115.8	115.8	115.8
37.5°	131.1	131.1	125.0	120.9	116.8	113.8	110.7	110.7	110.7
40°	127.0	126.0	120.9	116.8	112.8	109.7	106.7	106.7	108.7
42.5°	124.0	120.9	116.8	112.8	107.7	104.6	102.6	104.6	110.7
45°	124.0	117.9	111.8	107.7	102.6	99.6	98.6	105.7	110.7
47.5°	121.9	117.9	106.7	102.6	98.6	94.5	93.5	105.7	105.7
50°	119.9	115.8	100.6	96.5	92.5	89.4	89.4	100.6	102.6
52.5°	115.8	112.8	97.5	91.4	87.4	84.3	88.4	96.5	103.6
55°	109.7	108.7	95.5	85.3	81.3	78.2	87.4	97.5	99.6
57.5°	103.6	103.6	93.5	78.2	75.2	73.2	81.3	92.5	91.4
60°	94.5	95.5	88.4	73.2	69.1	67.1	77.2	84.3	84.3
62.5°	85.3	86.4	83.3	67.1	64.0	61.0	76.2	76.2	76.2
65°	77.2	77.2	76.2	61.0	57.9	54.9	69.1	68.1	68.1
67.5°	69.1	69.1	67.1	54.9	51.8	51.8	61.0	61.0	59.9
70°	61.0	61.0	58.9	50.8	45.7	47.8	53.8	52.8	52.8
72.5°	52.8	52.8	50.8	45.7	38.6	41.7	44.7	44.7	45.7
75°	44.7	45.7	42.7	39.6	31.5	37.6	37.6	37.6	37.6
77.5°	37.6	37.6	34.5	31.5	25.4	30.5	29.5	30.5	30.5
80°	30.5	30.5	28.4	24.4	19.3	23.4	23.4	23.4	23.4
82.5°	23.4	23.4	21.3	18.3	13.2	16.3	17.3	17.3	17.3
85°	18.3	18.3	16.3	12.2	9.1	10.2	12.2	12.2	12.2
87.5°	13.2	13.2	11.2	8.1	5.1	7.1	7.1	6.1	6.1
90°	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	2.0
92.5°	5.1	5.1	6.1	8.1	8.1	12.2	14.2	16.3	16.3
95°	21.3	22.4	24.4	23.4	21.3	24.4	26.4	28.4	28.4
97.5°	45.7	46.7	44.7	41.7	37.6	38.6	38.6	41.7	42.7
100°	72.1	71.1	68.1	64.0	56.9	54.9	53.8	55.9	55.9
102.5°	101.6	99.6	92.5	85.3	76.2	72.1	72.1	71.1	72.1
105°	131.1	128.0	119.9	107.7	96.5	92.5	89.4	88.4	90.4
107.5°	158.5	157.5	147.3	132.1	118.9	111.8	109.7	107.7	107.7
110°	186.9	184.9	174.8	155.4	139.2	132.1	129.0	126.0	125.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	223.5	217.4	203.2	181.9	160.5	153.4	148.3	145.3	145.3
115°	253.0	246.9	230.6	207.3	183.9	172.7	166.6	163.6	161.5
117.5°	283.5	277.4	258.1	231.6	204.2	193.0	184.9	183.9	180.8
120°	316.0	307.8	284.5	256.0	225.6	210.3	203.2	201.2	199.1
122.5°	346.5	336.3	310.9	278.4	244.9	227.6	220.5	218.4	215.4
125°	375.9	363.7	337.3	302.8	265.2	245.9	238.8	235.7	233.7
127.5°	400.3	392.2	362.7	325.1	285.5	263.1	255.0	252.0	251.0
130°	428.8	417.6	388.1	345.4	305.8	280.4	272.3	267.2	268.2
132.5°	452.1	443.0	412.5	366.8	322.1	296.7	288.5	283.5	283.5
135°	477.5	467.4	435.9	386.1	340.4	313.9	303.8	298.7	297.7
137.5°	497.8	489.7	453.1	404.4	358.6	329.2	318.0	313.9	311.9
140°	519.2	508.0	472.4	422.7	374.9	345.4	332.2	329.2	327.2
142.5°	536.4	524.3	486.7	438.9	392.2	360.7	346.5	343.4	339.3
145°	552.7	538.5	501.9	454.2	409.4	374.9	357.6	354.6	352.6
147.5°	567.9	551.7	514.1	467.4	423.7	389.1	369.8	366.8	361.7
150°	576.1	560.8	523.2	480.6	436.9	401.3	381.0	376.9	373.9
152.5°	579.1	567.9	530.4	491.7	450.1	415.5	392.2	387.1	383.0
155°	580.1	570.0	538.5	500.9	461.3	428.8	404.4	397.3	393.2
157.5°	580.1	569.0	543.6	508.0	470.4	439.9	416.6	408.4	405.4
160°	577.1	569.0	546.6	514.1	478.5	450.1	427.7	418.6	417.6
162.5°	573.0	566.9	544.6	518.2	485.6	460.2	438.9	429.8	427.7
165°	567.9	562.9	542.5	522.2	493.8	469.4	450.1	442.0	437.9
167.5°	563.9	557.8	538.5	522.2	499.9	478.5	460.2	454.2	448.1
170°	556.8	551.7	533.4	521.2	503.9	484.6	470.4	464.3	459.2
172.5°	546.6	542.5	528.3	520.2	507.0	491.7	479.6	475.5	469.4
175°	536.4	534.4	522.2	519.2	510.0	498.9	488.7	486.7	482.6
177.5°	524.3	523.2	514.1	516.1	512.1	503.9	497.8	498.9	492.8
180°	509.0	509.0	509.0	509.0	509.0	509.0	509.0	509.0	509.0

(END OF REPORT)