

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: P275266

Luminaire Tested: **JW-WL-20L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275266
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 (4000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1997.7 lumens
Efficiency: N/A
Efficacy: 112.9 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

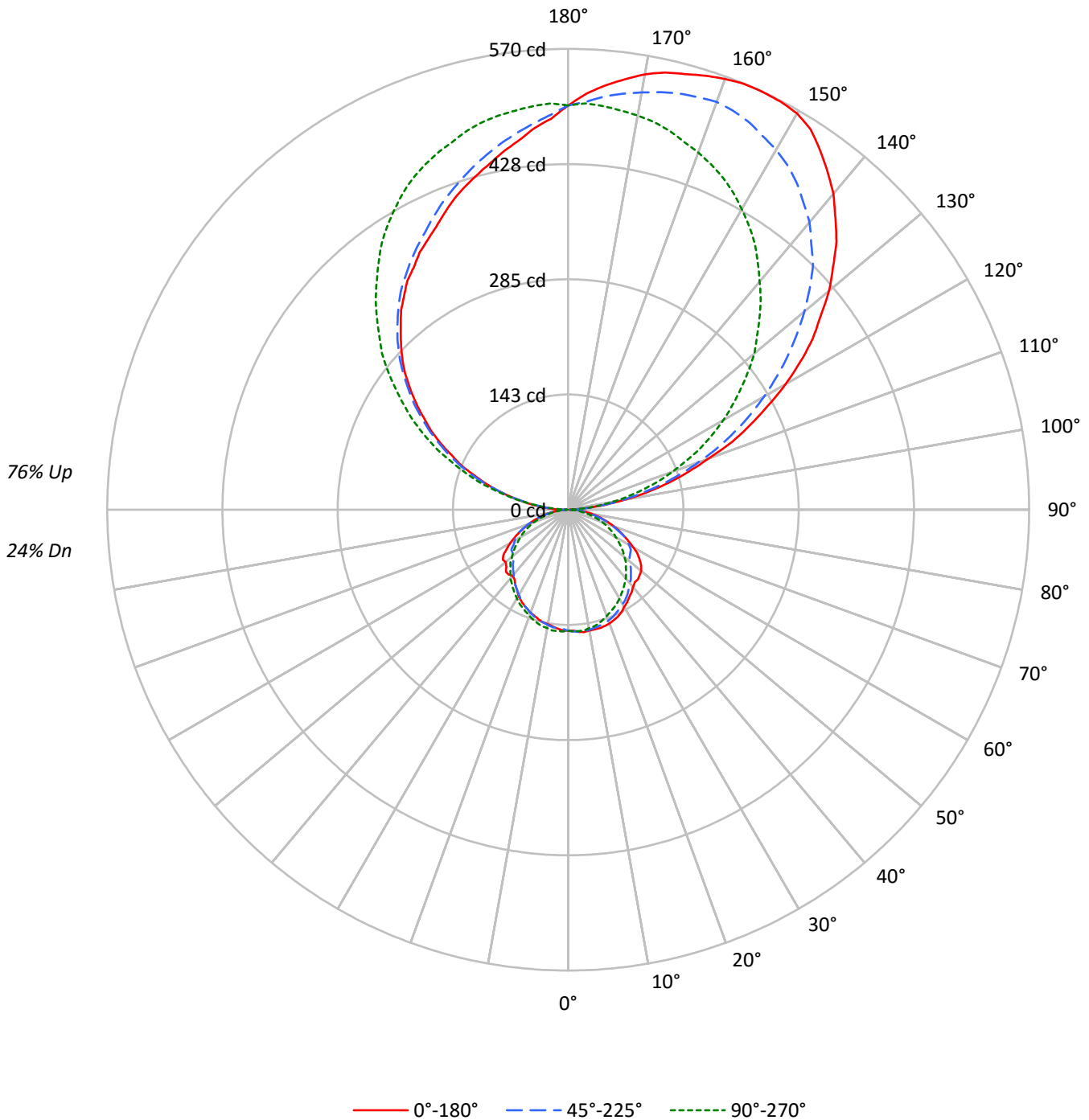
Input Watts (W): 17.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2417	2417	2417
5°	2459	2442	2394
10°	2487	2438	2356
15°	2536	2435	2352
20°	2572	2400	2332
25°	2596	2382	2311
30°	2586	2362	2289
35°	2596	2342	2243
40°	2630	2335	2251
45°	2781	2302	2484
50°	2959	2281	2532
55°	3035	2246	2753
60°	2997	2193	2674
65°	2896	2174	2556
70°	2828	2120	2450
75°	2739	1928	2302
80°	2780	1767	2139
85°	3335	1667	2223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.7
10°-20°	41.1	2.1
20°-30°	62.4	3.1
30°-40°	75.7	3.8
40°-50°	81.6	4.1
50°-60°	80.3	4.0
60°-70°	65.3	3.3
70°-80°	40.4	2.0
80°-90°	14.2	0.7
90°-100°	28.7	1.4
100°-110°	108.5	5.4
110°-120°	191.7	9.6
120°-130°	251.5	12.6
130°-140°	277.5	13.9
140°-150°	264.4	13.2
150°-160°	214.4	10.7
160°-170°	138.3	6.9
170°-180°	47.6	2.4
0°-30°	117.8	5.9
0°-40°	193.4	9.7
0°-60°	355.3	17.8
0°-90°	475.3	23.8
90°-120°	328.9	16.5
90°-150°	1122.2	56.2
90°-180°	1522.0	76.2
0°-180°	1997.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	150	150	150	150	150	
5°	152	152	151	147	148	14
15°	152	149	146	141	141	43
25°	146	141	134	130	130	67
35°	132	128	119	114	114	83
45°	122	110	101	97	109	94
55°	108	94	80	86	98	96
65°	76	75	57	68	67	75
75°	44	42	31	37	37	47
85°	18	16	9	12	12	17
90°	1	1	1	2	2	3
95°	21	24	21	26	28	28
105°	129	118	95	88	89	135
115°	248	226	181	164	159	246
125°	369	331	260	234	230	328
135°	469	428	334	298	292	361
145°	543	493	402	351	346	339
155°	570	529	453	397	386	263
165°	558	533	485	442	430	158
175°	527	513	501	480	474	51
180°	500	500	500	500	500	



TEST NUMBER: P275266

CATALOG NUMBER: JW-WL-20L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	149.7	149.7	149.7	149.7	149.7	149.7	149.7	149.7	149.7
2.5°	149.7	150.7	150.7	150.7	150.7	150.7	147.7	148.7	149.7
5°	151.7	151.7	151.7	150.7	150.7	149.7	146.7	147.7	147.7
7.5°	152.7	152.7	151.7	150.7	150.7	149.7	146.7	146.7	145.7
10°	151.7	152.7	150.7	150.7	148.7	147.7	144.7	144.7	143.7
12.5°	151.7	152.7	149.7	148.7	147.7	144.7	142.7	142.7	142.7
15°	151.7	152.7	148.7	147.7	145.7	142.7	140.7	140.7	140.7
17.5°	150.7	150.7	147.7	144.7	142.7	139.7	138.7	138.7	137.7
20°	149.7	149.7	145.7	142.7	139.7	136.7	135.7	135.7	135.7
22.5°	147.7	147.7	143.7	140.7	136.7	133.7	132.7	132.7	132.7
25°	145.7	144.7	140.7	137.7	133.7	130.7	129.7	128.7	129.7
27.5°	142.7	141.7	137.7	133.7	130.7	127.7	125.7	125.7	126.7
30°	138.7	138.7	134.7	130.7	126.7	123.8	121.8	121.8	122.8
32.5°	135.7	135.7	131.7	126.7	122.8	120.8	117.8	117.8	117.8
35°	131.7	131.7	127.7	122.8	118.8	115.8	113.8	113.8	113.8
37.5°	128.7	128.7	122.8	118.8	114.8	111.8	108.8	108.8	108.8
40°	124.8	123.8	118.8	114.8	110.8	107.8	104.8	104.8	106.8
42.5°	121.8	118.8	114.8	110.8	105.8	102.8	100.8	102.8	108.8
45°	121.8	115.8	109.8	105.8	100.8	97.8	96.8	103.8	108.8
47.5°	119.8	115.8	104.8	100.8	96.8	92.8	91.8	103.8	103.8
50°	117.8	113.8	98.8	94.8	90.8	87.8	87.8	98.8	100.8
52.5°	113.8	110.8	95.8	89.8	85.8	82.8	86.8	94.8	101.8
55°	107.8	106.8	93.8	83.8	79.8	76.8	85.8	95.8	97.8
57.5°	101.8	101.8	91.8	76.8	73.9	71.9	79.8	90.8	89.8
60°	92.8	93.8	86.8	71.9	67.9	65.9	75.8	82.8	82.8
62.5°	83.8	84.8	81.8	65.9	62.9	59.9	74.9	74.9	74.9
65°	75.8	75.8	74.9	59.9	56.9	53.9	67.9	66.9	66.9
67.5°	67.9	67.9	65.9	53.9	50.9	50.9	59.9	59.9	58.9
70°	59.9	59.9	57.9	49.9	44.9	46.9	52.9	51.9	51.9
72.5°	51.9	51.9	49.9	44.9	37.9	40.9	43.9	43.9	44.9
75°	43.9	44.9	41.9	38.9	30.9	36.9	36.9	36.9	36.9
77.5°	36.9	36.9	33.9	30.9	25.0	29.9	28.9	29.9	29.9
80°	29.9	29.9	27.9	24.0	19.0	23.0	23.0	23.0	23.0
82.5°	23.0	23.0	21.0	18.0	13.0	16.0	17.0	17.0	17.0
85°	18.0	18.0	16.0	12.0	9.0	10.0	12.0	12.0	12.0
87.5°	13.0	13.0	11.0	8.0	5.0	7.0	7.0	6.0	6.0
90°	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	2.0
92.5°	5.0	5.0	6.0	8.0	8.0	12.0	14.0	16.0	16.0
95°	21.0	22.0	24.0	23.0	21.0	24.0	25.9	27.9	27.9
97.5°	44.9	45.9	43.9	40.9	36.9	37.9	37.9	40.9	41.9
100°	70.9	69.9	66.9	62.9	55.9	53.9	52.9	54.9	54.9
102.5°	99.8	97.8	90.8	83.8	74.9	70.9	70.9	69.9	70.9
105°	128.7	125.7	117.8	105.8	94.8	90.8	87.8	86.8	88.8
107.5°	155.7	154.7	144.7	129.7	116.8	109.8	107.8	105.8	105.8
110°	183.6	181.6	171.7	152.7	136.7	129.7	126.7	123.8	122.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	219.6	213.6	199.6	178.6	157.7	150.7	145.7	142.7	142.7
115°	248.5	242.5	226.5	203.6	180.6	169.7	163.7	160.7	158.7
117.5°	278.4	272.5	253.5	227.5	200.6	189.6	181.6	180.6	177.6
120°	310.4	302.4	279.4	251.5	221.6	206.6	199.6	197.6	195.6
122.5°	340.3	330.3	305.4	273.5	240.5	223.6	216.6	214.6	211.6
125°	369.3	357.3	331.3	297.4	260.5	241.5	234.5	231.5	229.5
127.5°	393.2	385.2	356.3	319.4	280.4	258.5	250.5	247.5	246.5
130°	421.2	410.2	381.2	339.3	300.4	275.4	267.5	262.5	263.5
132.5°	444.1	435.1	405.2	360.3	316.4	291.4	283.4	278.4	278.4
135°	469.1	459.1	428.1	379.2	334.3	308.4	298.4	293.4	292.4
137.5°	489.0	481.0	445.1	397.2	352.3	323.4	312.4	308.4	306.4
140°	510.0	499.0	464.1	415.2	368.3	339.3	326.3	323.4	321.4
142.5°	526.9	515.0	478.0	431.1	385.2	354.3	340.3	337.3	333.3
145°	542.9	528.9	493.0	446.1	402.2	368.3	351.3	348.3	346.3
147.5°	557.9	541.9	505.0	459.1	416.2	382.2	363.3	360.3	355.3
150°	565.9	550.9	514.0	472.1	429.1	394.2	374.3	370.3	367.3
152.5°	568.9	557.9	521.0	483.0	442.1	408.2	385.2	380.2	376.2
155°	569.9	559.9	528.9	492.0	453.1	421.2	397.2	390.2	386.2
157.5°	569.9	558.9	533.9	499.0	462.1	432.1	409.2	401.2	398.2
160°	566.9	558.9	536.9	505.0	470.1	442.1	420.2	411.2	410.2
162.5°	562.9	556.9	534.9	509.0	477.0	452.1	431.1	422.2	420.2
165°	557.9	552.9	532.9	513.0	485.0	461.1	442.1	434.1	430.1
167.5°	553.9	547.9	528.9	513.0	491.0	470.1	452.1	446.1	440.1
170°	546.9	541.9	524.0	512.0	495.0	476.0	462.1	456.1	451.1
172.5°	536.9	532.9	519.0	511.0	498.0	483.0	471.1	467.1	461.1
175°	526.9	524.9	513.0	510.0	501.0	490.0	480.0	478.0	474.1
177.5°	515.0	514.0	505.0	507.0	503.0	495.0	489.0	490.0	484.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0

(END OF REPORT)