

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: P275295

Luminaire Tested: **JW-WL-40L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-40L82765-1D-UNV-W2A-W-4 (2700K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3657.2 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.26 / 1.4
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

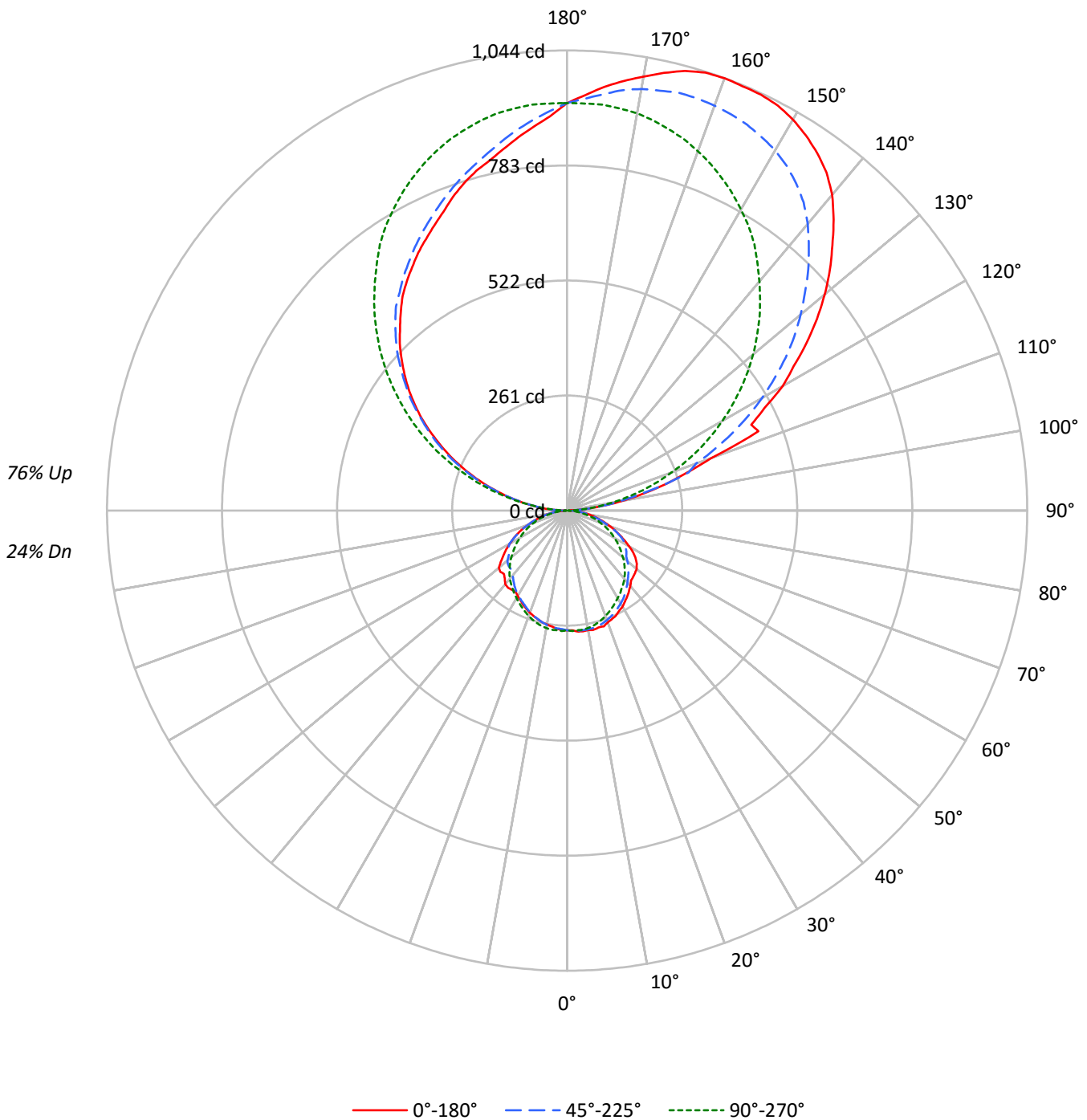
Input Watts (W): 39.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	69	69	69	49	49	49	32	32	32	24
1	92	87	84	80	81	78	75	72	60	57	56	43	42	40	28	27	26	19
2	83	76	70	65	74	68	63	58	52	49	46	37	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	6
9	46	34	27	22	41	31	24	20	24	19	16	17	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°	4387	4387	4387
5°	4464	4418	4360
10°	4515	4440	4304
15°	4588	4420	4266
20°	4637	4369	4242
25°	4676	4318	4203
30°	4689	4279	4176
35°	4687	4252	4324
40°	4702	4258	4605
45°	4843	4213	4633
50°	5164	4150	5074
55°	5348	4082	4963
60°	5247	4001	4831
65°	5016	3927	4734
70°	4853	3772	4466
75°	4697	3550	4180
80°	4612	3245	3924
85°	5613	2890	4076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	0.7
10°-20°	74.6	2.0
20°-30°	113.2	3.1
30°-40°	138.0	3.8
40°-50°	149.9	4.1
50°-60°	146.0	4.0
60°-70°	117.4	3.2
70°-80°	72.1	2.0
80°-90°	25.3	0.7
90°-100°	52.3	1.4
100°-110°	200.4	5.5
110°-120°	353.0	9.7
120°-130°	459.8	12.6
130°-140°	507.4	13.9
140°-150°	485.3	13.3
150°-160°	394.1	10.8
160°-170°	254.6	7.0
170°-180°	87.8	2.4
0°-30°	213.7	5.8
0°-40°	351.7	9.6
0°-60°	647.6	17.7
0°-90°	862.4	23.6
90°-120°	605.8	16.6
90°-150°	2058.4	56.3
90°-180°	2795.0	76.4
0°-180°	3657.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	272	272	272	272	272	
5°	275	274	273	268	269	26
15°	274	271	264	255	255	78
25°	262	255	242	233	236	121
35°	238	230	216	208	219	149
45°	212	196	184	184	203	165
55°	190	164	145	160	176	168
65°	131	130	103	122	124	131
75°	75	72	57	68	67	80
85°	30	27	16	21	22	29
90°	6	6	2	4	3	6
95°	42	42	40	45	49	53
105°	231	230	176	161	160	244
115°	461	411	331	299	294	468
125°	663	605	480	430	423	593
135°	851	774	617	549	537	657
145°	990	906	740	647	634	619
155°	1041	966	832	732	713	480
165°	1033	981	895	812	798	292
175°	965	948	924	890	874	93
180°	924	924	924	924	924	



TEST NUMBER: P275295

CATALOG NUMBER: JW-WL-40L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	271.7	271.7	271.7	271.7	271.7	271.7	271.7	271.7	271.7
2.5°	271.7	273.6	272.6	272.6	273.6	271.7	269.0	270.8	271.7
5°	275.4	275.4	273.6	272.6	272.6	269.9	268.1	268.1	269.0
7.5°	276.3	277.2	273.6	272.6	272.6	269.0	267.1	265.3	265.3
10°	275.4	277.2	273.6	271.7	270.8	266.2	263.5	262.5	262.5
12.5°	277.2	276.3	272.6	270.8	268.1	263.5	259.8	258.9	259.8
15°	274.5	276.3	270.8	267.1	264.4	260.7	255.2	255.2	255.2
17.5°	275.4	273.6	268.1	264.4	259.8	256.1	250.6	251.5	251.5
20°	269.9	271.7	264.4	259.8	254.3	250.6	246.0	246.0	246.9
22.5°	266.2	267.1	259.8	255.2	248.8	245.1	239.6	240.5	241.4
25°	262.5	261.6	255.2	249.7	242.4	237.8	233.2	235.0	235.9
27.5°	256.1	256.1	248.8	243.3	235.9	231.3	227.7	229.5	229.5
30°	251.5	249.7	243.3	236.8	229.5	224.9	222.2	222.2	224.0
32.5°	244.2	242.4	236.8	229.5	223.1	217.6	215.7	215.7	217.6
35°	237.8	235.0	229.5	222.2	215.7	210.2	208.4	209.3	219.4
37.5°	230.4	227.7	221.2	214.8	209.3	202.0	200.1	210.2	220.3
40°	223.1	220.3	213.0	207.5	202.0	194.6	191.9	212.1	218.5
42.5°	214.8	213.0	204.7	199.2	193.7	188.2	185.4	208.4	209.3
45°	212.1	204.7	196.5	190.0	184.5	179.0	183.6	199.2	202.9
47.5°	209.3	202.0	189.1	181.8	175.3	169.8	181.8	192.8	205.6
50°	205.6	198.3	178.1	172.6	165.2	161.6	177.2	193.7	202.0
52.5°	199.2	193.7	168.9	162.5	155.1	152.4	167.1	189.1	189.1
55°	190.0	185.4	164.3	152.4	145.0	141.4	159.7	176.3	176.3
57.5°	178.1	175.3	157.9	140.5	134.9	131.3	157.9	163.4	164.3
60°	162.5	161.6	151.5	128.5	123.9	122.1	151.5	149.6	149.6
62.5°	146.9	146.0	142.3	117.5	113.8	115.7	136.8	135.9	136.8
65°	131.3	132.2	130.4	106.5	102.8	108.3	122.1	123.0	123.9
67.5°	117.5	116.6	115.7	94.6	90.9	97.3	109.2	109.2	109.2
70°	102.8	101.9	100.1	87.2	79.9	89.0	94.6	95.5	94.6
72.5°	89.0	88.1	85.4	78.0	69.8	80.8	81.7	80.8	80.8
75°	75.3	75.3	72.5	67.9	56.9	67.9	67.9	67.9	67.0
77.5°	62.4	61.5	58.8	55.1	45.9	54.2	53.2	55.1	55.1
80°	49.6	49.6	47.7	41.3	34.9	41.3	42.2	43.1	42.2
82.5°	39.5	39.5	35.8	30.3	23.9	28.5	30.3	32.1	31.2
85°	30.3	29.4	26.6	21.1	15.6	18.4	21.1	22.0	22.0
87.5°	21.1	21.1	19.3	14.7	7.3	11.9	13.8	12.9	11.0
90°	5.5	5.5	5.5	3.7	1.8	3.7	3.7	3.7	2.8
92.5°	11.0	11.9	14.7	15.6	15.6	19.3	24.8	26.6	25.7
95°	42.2	43.1	42.2	42.2	40.4	41.3	45.0	46.8	48.7
97.5°	82.6	80.8	79.9	77.1	68.8	67.9	68.8	70.7	72.5
100°	127.6	123.9	121.2	122.1	101.9	99.1	97.3	97.3	100.1
102.5°	175.3	177.2	166.2	153.3	138.6	132.2	127.6	128.5	128.5
105°	231.3	224.0	229.5	193.7	176.3	168.0	160.6	160.6	159.7
107.5°	281.8	276.3	289.2	237.8	213.9	204.7	196.5	192.8	191.9
110°	347.9	397.5	311.2	280.0	251.5	239.6	230.4	226.7	225.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	470.0	414.0	360.8	327.7	291.9	275.4	264.4	262.5	258.9
115°	460.8	440.6	411.3	370.0	331.4	311.2	299.3	294.7	293.8
117.5°	504.9	494.8	461.8	414.9	369.0	343.3	332.3	326.8	325.9
120°	564.6	549.9	510.4	458.1	406.7	379.1	364.4	360.8	358.9
122.5°	609.6	601.3	557.2	502.1	443.4	411.3	395.7	392.0	392.0
125°	662.8	652.7	605.0	542.5	480.1	442.5	429.6	424.1	423.2
127.5°	714.2	698.6	649.9	586.6	515.9	474.6	459.9	452.6	453.5
130°	762.9	747.3	691.3	626.1	550.8	504.9	490.2	482.9	481.9
132.5°	808.8	787.6	731.6	661.9	583.8	536.1	521.4	509.5	509.5
135°	851.0	831.7	773.9	694.0	616.9	565.5	549.0	538.9	537.0
137.5°	895.0	868.4	811.5	726.1	648.1	597.6	577.4	566.4	560.9
140°	935.4	906.1	849.1	760.1	678.4	624.2	604.0	592.1	587.5
142.5°	966.7	939.1	881.3	790.4	708.7	652.7	624.2	617.8	613.2
145°	989.6	967.6	906.1	818.9	739.9	680.2	647.2	641.7	634.3
147.5°	1008.9	991.4	927.2	844.6	765.6	705.0	668.3	663.7	654.5
150°	1024.5	1005.2	943.7	870.3	788.6	729.8	690.3	683.0	675.6
152.5°	1035.5	1019.9	955.6	892.3	811.5	754.6	711.4	701.4	694.0
155°	1041.0	1025.4	965.7	907.0	831.7	776.6	731.6	721.5	713.3
157.5°	1041.9	1027.2	973.1	921.7	851.0	795.0	752.8	740.8	733.5
160°	1043.8	1025.4	977.7	928.1	867.5	816.1	773.0	759.2	757.3
162.5°	1041.9	1020.8	980.4	935.4	883.1	833.5	793.2	780.3	778.5
165°	1032.7	1015.3	981.3	940.9	895.0	852.8	811.5	800.5	797.7
167.5°	1017.1	1007.0	975.8	942.8	906.1	867.5	830.8	820.7	813.3
170°	999.7	996.9	971.2	943.7	915.2	882.2	851.0	840.9	832.6
172.5°	983.2	982.3	962.1	942.8	919.8	893.2	871.2	860.2	853.7
175°	964.8	963.9	948.3	940.9	924.4	903.3	889.5	881.3	873.9
177.5°	943.7	945.5	935.4	939.1	924.4	914.3	907.0	902.4	895.0
180°	924.4	924.4	924.4	924.4	924.4	924.4	924.4	924.4	924.4

(END OF REPORT)