

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: P275307

Luminaire Tested: **JW-WL-40L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275307
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-40L92765-1D-UNV-W2A-W-4 (4500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3609.4 lumens
Efficiency: N/A
Efficacy: 90.2 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

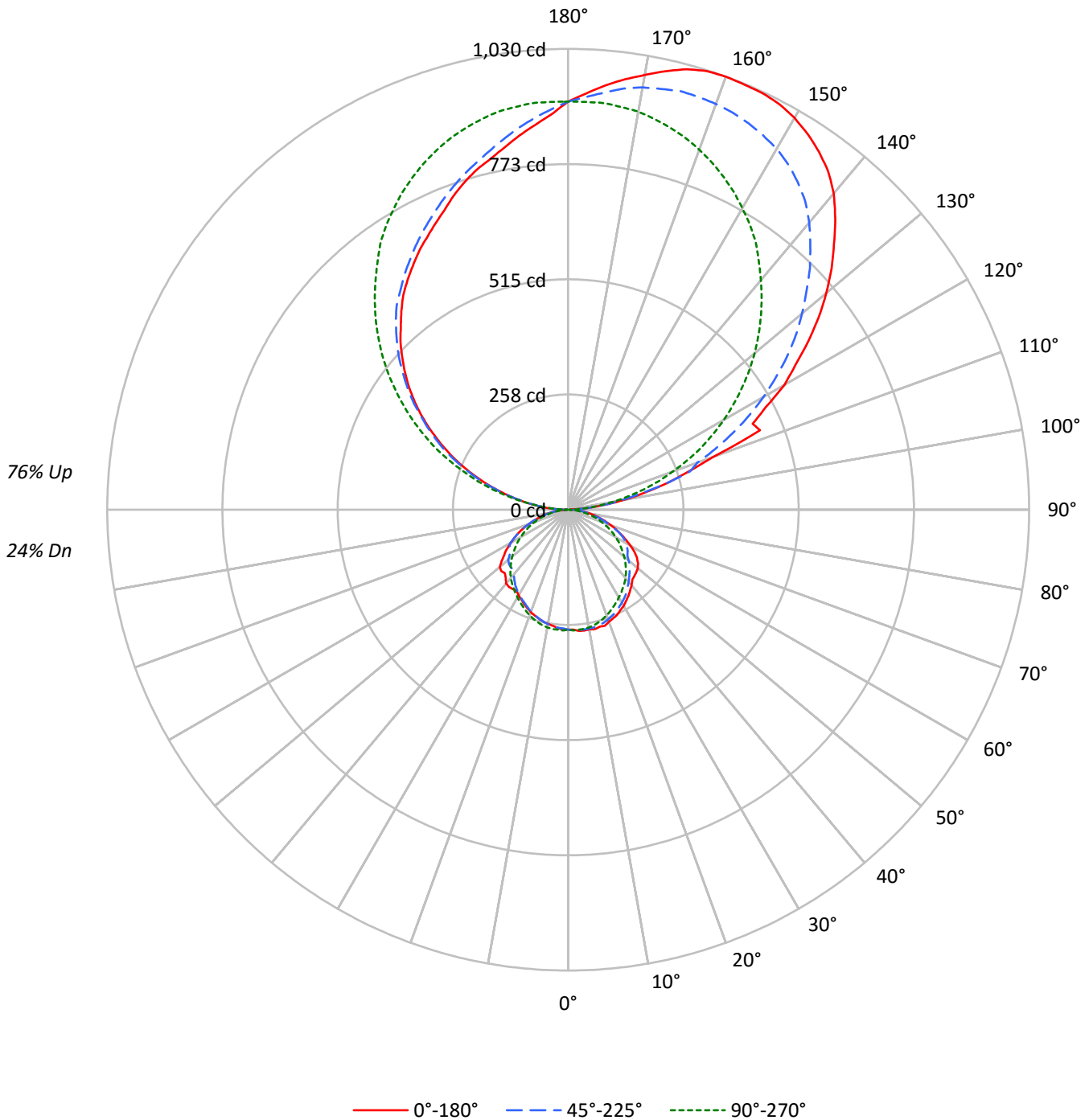
Input Watts (W): 40
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4330	4330	4330
5°	4405	4361	4303
10°	4456	4382	4248
15°	4528	4361	4211
20°	4577	4313	4187
25°	4616	4261	4147
30°	4627	4223	4122
35°	4626	4196	4267
40°	4641	4201	4544
45°	4779	4158	4571
50°	5097	4097	5006
55°	5278	4028	4898
60°	5180	3949	4769
65°	4951	3878	4672
70°	4792	3720	4404
75°	4635	3506	4123
80°	4547	3199	3877
85°	5539	2853	4020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	0.7
10°-20°	73.6	2.0
20°-30°	111.7	3.1
30°-40°	136.2	3.8
40°-50°	148.0	4.1
50°-60°	144.1	4.0
60°-70°	115.9	3.2
70°-80°	71.1	2.0
80°-90°	24.9	0.7
90°-100°	51.7	1.4
100°-110°	197.8	5.5
110°-120°	348.4	9.7
120°-130°	453.8	12.6
130°-140°	500.8	13.9
140°-150°	479.0	13.3
150°-160°	388.9	10.8
160°-170°	251.3	7.0
170°-180°	86.6	2.4
0°-30°	210.9	5.8
0°-40°	347.1	9.6
0°-60°	639.2	17.7
0°-90°	851.1	23.6
90°-120°	597.9	16.6
90°-150°	2031.5	56.3
90°-180°	2758.0	76.4
0°-180°	3609.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	268	268	268	268	268	
5°	272	270	269	265	266	26
15°	271	267	261	252	252	77
25°	259	252	239	230	233	119
35°	235	226	213	206	216	147
45°	209	194	182	181	200	162
55°	188	162	143	158	174	166
65°	130	129	102	120	122	129
75°	74	72	56	67	66	79
85°	30	26	15	21	22	28
90°	5	5	2	4	3	6
95°	42	42	40	44	48	52
105°	228	226	174	158	158	241
115°	455	406	327	295	290	462
125°	654	597	474	424	418	585
135°	840	764	609	542	530	649
145°	977	894	730	639	626	610
155°	1027	953	821	722	704	474
165°	1019	968	883	801	787	288
175°	952	936	912	878	862	92
180°	912	912	912	912	912	



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CATALOG NUMBER: JW-WL-40L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2	268.2
2.5°	268.2	270.0	269.1	269.1	270.0	268.2	265.5	267.3	268.2
5°	271.8	271.8	270.0	269.1	269.1	266.4	264.6	264.6	265.5
7.5°	272.7	273.6	270.0	269.1	269.1	265.5	263.6	261.8	261.8
10°	271.8	273.6	270.0	268.2	267.3	262.7	260.0	259.1	259.1
12.5°	273.6	272.7	269.1	267.3	264.6	260.0	256.4	255.5	256.4
15°	270.9	272.7	267.3	263.6	260.9	257.3	251.9	251.9	251.9
17.5°	271.8	270.0	264.6	260.9	256.4	252.8	247.3	248.2	248.2
20°	266.4	268.2	260.9	256.4	251.0	247.3	242.8	242.8	243.7
22.5°	262.7	263.6	256.4	251.9	245.5	241.9	236.5	237.4	238.3
25°	259.1	258.2	251.9	246.4	239.2	234.7	230.1	231.9	232.8
27.5°	252.8	252.8	245.5	240.1	232.8	228.3	224.7	226.5	226.5
30°	248.2	246.4	240.1	233.7	226.5	222.0	219.3	219.3	221.1
32.5°	241.0	239.2	233.7	226.5	220.2	214.7	212.9	212.9	214.7
35°	234.7	231.9	226.5	219.3	212.9	207.5	205.7	206.6	216.5
37.5°	227.4	224.7	218.3	212.0	206.6	199.3	197.5	207.5	217.4
40°	220.2	217.4	210.2	204.8	199.3	192.1	189.4	209.3	215.6
42.5°	212.0	210.2	202.0	196.6	191.2	185.7	183.0	205.7	206.6
45°	209.3	202.0	193.9	187.5	182.1	176.7	181.2	196.6	200.2
47.5°	206.6	199.3	186.6	179.4	173.0	167.6	179.4	190.3	202.9
50°	202.9	195.7	175.8	170.3	163.1	159.5	174.9	191.2	199.3
52.5°	196.6	191.2	166.7	160.4	153.1	150.4	164.9	186.6	186.6
55°	187.5	183.0	162.2	150.4	143.1	139.5	157.6	174.0	174.0
57.5°	175.8	173.0	155.8	138.6	133.2	129.6	155.8	161.3	162.2
60°	160.4	159.5	149.5	126.8	122.3	120.5	149.5	147.7	147.7
62.5°	145.0	144.1	140.4	116.0	112.3	114.2	135.0	134.1	135.0
65°	129.6	130.5	128.7	105.1	101.5	106.9	120.5	121.4	122.3
67.5°	116.0	115.1	114.2	93.3	89.7	96.0	107.8	107.8	107.8
70°	101.5	100.6	98.8	86.1	78.8	87.9	93.3	94.2	93.3
72.5°	87.9	87.0	84.3	77.0	68.9	79.7	80.6	79.7	79.7
75°	74.3	74.3	71.6	67.0	56.2	67.0	67.0	67.0	66.1
77.5°	61.6	60.7	58.0	54.4	45.3	53.5	52.5	54.4	54.4
80°	48.9	48.9	47.1	40.8	34.4	40.8	41.7	42.6	41.7
82.5°	39.0	39.0	35.3	29.9	23.6	28.1	29.9	31.7	30.8
85°	29.9	29.0	26.3	20.8	15.4	18.1	20.8	21.7	21.7
87.5°	20.8	20.8	19.0	14.5	7.2	11.8	13.6	12.7	10.9
90°	5.4	5.4	5.4	3.6	1.8	3.6	3.6	3.6	2.7
92.5°	10.9	11.8	14.5	15.4	15.4	19.0	24.5	26.3	25.4
95°	41.7	42.6	41.7	41.7	39.9	40.8	44.4	46.2	48.0
97.5°	81.5	79.7	78.8	76.1	67.9	67.0	67.9	69.8	71.6
100°	125.9	122.3	119.6	120.5	100.6	97.8	96.0	96.0	98.8
102.5°	173.0	174.9	164.0	151.3	136.8	130.5	125.9	126.8	126.8
105°	228.3	221.1	226.5	191.2	174.0	165.8	158.5	158.5	157.6
107.5°	278.1	272.7	285.4	234.7	211.1	202.0	193.9	190.3	189.4
110°	343.4	392.3	307.1	276.3	248.2	236.5	227.4	223.8	222.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	463.9	408.6	356.1	323.4	288.1	271.8	260.9	259.1	255.5
115°	454.8	434.9	405.9	365.1	327.1	307.1	295.4	290.8	289.9
117.5°	498.3	488.3	455.7	409.5	364.2	338.8	328.0	322.5	321.6
120°	557.2	542.7	503.7	452.1	401.4	374.2	359.7	356.1	354.2
122.5°	601.6	593.4	549.9	495.6	437.6	405.9	390.5	386.9	386.9
125°	654.1	644.2	597.1	535.4	473.8	436.7	424.0	418.6	417.7
127.5°	704.9	689.5	641.4	578.9	509.2	468.4	453.9	446.7	447.6
130°	752.9	737.5	682.2	617.9	543.6	498.3	483.8	476.6	475.6
132.5°	798.2	777.3	722.1	653.2	576.2	529.1	514.6	502.8	502.8
135°	839.9	820.8	763.8	684.9	608.8	558.1	541.8	531.8	530.0
137.5°	883.3	857.1	800.9	716.6	639.6	589.8	569.9	559.0	553.6
140°	923.2	894.2	838.0	750.2	669.5	616.1	596.1	584.4	579.8
142.5°	954.0	926.8	869.8	780.1	699.4	644.2	616.1	609.7	605.2
145°	976.7	954.9	894.2	808.2	730.2	671.3	638.7	633.3	626.0
147.5°	995.7	978.5	915.1	833.5	755.6	695.8	659.6	655.0	646.0
150°	1011.1	992.1	931.4	858.9	778.3	720.3	681.3	674.1	666.8
152.5°	1022.0	1006.6	943.1	880.6	800.9	744.7	702.1	692.2	684.9
155°	1027.4	1012.0	953.1	895.1	820.8	766.5	722.1	712.1	704.0
157.5°	1028.3	1013.8	960.4	909.6	839.9	784.6	742.9	731.1	723.9
160°	1030.1	1012.0	964.9	916.0	856.2	805.4	762.9	749.3	747.4
162.5°	1028.3	1007.5	967.6	923.2	871.6	822.6	782.8	770.1	768.3
165°	1019.2	1002.0	968.5	928.6	883.3	841.7	800.9	790.0	787.3
167.5°	1003.8	993.9	963.1	930.5	894.2	856.2	819.9	810.0	802.7
170°	986.6	983.9	958.5	931.4	903.3	870.7	839.9	829.9	821.7
172.5°	970.3	969.4	949.5	930.5	907.8	881.5	859.8	848.9	842.6
175°	952.2	951.3	935.9	928.6	912.3	891.5	877.9	869.8	862.5
177.5°	931.4	933.2	923.2	926.8	912.3	902.4	895.1	890.6	883.3
180°	912.3	912.3	912.3	912.3	912.3	912.3	912.3	912.3	912.3

(END OF REPORT)