

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: P275036

Luminaire Tested: **J3-CL-50L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-50L92765-1D-UNV-W2A-W-4 (5000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4434.2 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

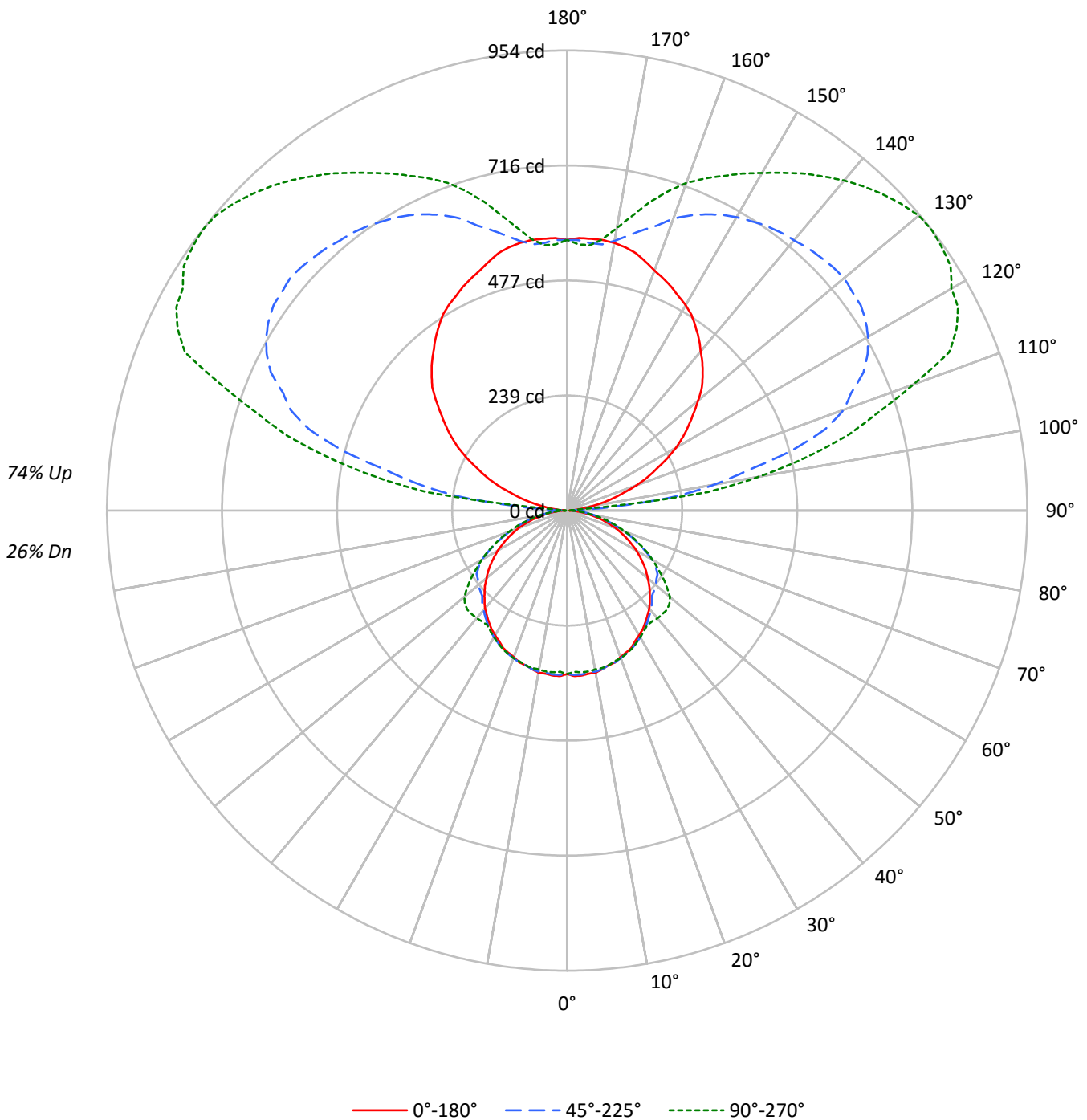
Input Watts (W): 36.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2736	2736	2736
5°	2783	2764	2728
10°	2796	2778	2741
15°	2776	2776	2776
20°	2777	2796	2796
25°	2799	2818	2818
30°	2783	2825	2825
35°	2787	2831	2853
40°	2791	2838	3074
45°	2767	2844	3330
50°	2734	3015	3495
55°	2716	3222	3412
60°	2682	3297	3297
65°	2615	3129	3173
70°	2542	2967	3019
75°	2380	2801	2870
80°	2190	2710	2608
85°	2075	2908	2492



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	0.7
10°-20°	93.8	2.1
20°-30°	144.9	3.3
30°-40°	179.8	4.1
40°-50°	201.2	4.5
50°-60°	196.6	4.4
60°-70°	155.1	3.5
70°-80°	93.9	2.1
80°-90°	33.4	0.8
90°-100°	115.2	2.6
100°-110°	445.4	10.0
110°-120°	612.1	13.8
120°-130°	619.3	14.0
130°-140°	548.8	12.4
140°-150°	434.1	9.8
150°-160°	303.1	6.8
160°-170°	171.5	3.9
170°-180°	53.8	1.2
0°-30°	271.0	6.1
0°-40°	450.8	10.2
0°-60°	848.6	19.1
0°-90°	1131.0	25.5
90°-120°	1172.7	26.4
90°-150°	2774.8	62.6
90°-180°	3303.0	74.5
0°-180°	4434.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	339	339	339	339	339	
5°	343	339	341	339	337	33
15°	332	330	332	332	332	94
25°	314	310	316	316	316	144
35°	283	283	287	290	290	177
45°	242	245	249	280	292	187
55°	193	195	229	242	242	172
65°	137	144	164	166	166	135
75°	76	90	90	92	92	81
85°	22	36	31	29	27	24
90°	4	14	11	2	2	4
95°	18	90	108	22	22	22
105°	99	319	482	557	601	105
115°	204	431	678	839	891	204
125°	308	498	743	904	949	275
135°	397	548	743	889	927	306
145°	464	561	720	826	853	291
155°	512	548	678	752	765	236
165°	552	550	601	653	662	155
175°	566	559	557	557	552	54
180°	561	561	561	561	561	



TEST NUMBER: P275036

CATALOG NUMBER: J3-CL-50L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	338.9	338.9	338.9	338.9	338.9
2.5°	343.4	338.9	341.1	338.9	334.4
5°	343.4	338.9	341.1	338.9	336.6
7.5°	341.1	338.9	338.9	336.6	336.6
10°	341.1	336.6	338.9	336.6	334.4
12.5°	336.6	334.4	336.6	334.4	334.4
15°	332.1	329.9	332.1	332.1	332.1
17.5°	329.9	325.4	329.9	329.9	327.7
20°	323.2	320.9	325.4	325.4	325.4
22.5°	318.7	316.4	320.9	320.9	320.9
25°	314.2	309.7	316.4	316.4	316.4
27.5°	305.2	305.2	309.7	311.9	309.7
30°	298.5	296.2	303.0	305.2	303.0
32.5°	291.7	289.5	296.2	298.5	296.2
35°	282.8	282.8	287.3	289.5	289.5
37.5°	273.8	273.8	278.3	280.5	289.5
40°	264.8	264.8	269.3	282.8	291.7
42.5°	253.6	253.6	260.3	280.5	291.7
45°	242.4	244.6	249.1	280.5	291.7
47.5°	231.2	233.4	244.6	278.3	287.3
50°	217.7	222.2	240.1	271.5	278.3
52.5°	206.5	208.7	233.4	260.3	260.3
55°	193.0	195.2	228.9	242.4	242.4
57.5°	179.5	181.8	217.7	222.2	222.2
60°	166.1	168.3	204.2	204.2	204.2
62.5°	150.4	154.8	184.0	186.3	186.3
65°	136.9	143.6	163.8	166.1	166.1
67.5°	121.2	132.4	145.9	148.1	148.1
70°	107.7	121.2	125.7	127.9	127.9
72.5°	92.0	105.5	107.7	110.0	110.0
75°	76.3	89.8	89.8	92.0	92.0
77.5°	60.6	71.8	74.1	74.1	74.1
80°	47.1	53.9	58.3	56.1	56.1
82.5°	33.7	42.6	42.6	42.6	40.4
85°	22.4	35.9	31.4	29.2	26.9
87.5°	13.5	31.4	18.0	15.7	15.7
90°	4.5	13.5	11.2	2.2	2.2
92.5°	9.0	22.4	11.2	9.0	6.7
95°	18.0	89.8	107.7	22.4	22.4
97.5°	33.7	150.4	231.2	273.8	294.0
100°	51.6	224.4	309.7	379.3	404.0
102.5°	74.1	271.5	381.5	469.0	504.9
105°	98.7	318.7	482.5	556.6	601.4
107.5°	123.4	354.6	561.0	644.1	675.5
110°	152.6	383.8	610.4	754.0	763.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	179.5	406.2	637.3	807.9	857.3
115°	204.2	430.9	677.7	839.3	890.9
117.5°	233.4	448.8	702.4	857.3	913.4
120°	260.3	464.5	720.4	879.7	920.1
122.5°	285.0	482.5	733.8	897.7	942.6
125°	307.5	498.2	742.8	904.4	949.3
127.5°	329.9	511.7	745.1	906.7	953.8
130°	354.6	525.1	749.6	904.4	951.5
132.5°	379.3	538.6	747.3	897.7	940.3
135°	397.2	547.6	742.8	888.7	926.8
137.5°	415.2	554.3	738.3	875.2	911.1
140°	430.9	558.8	731.6	859.5	893.2
142.5°	448.8	561.0	727.1	843.8	873.0
145°	464.5	561.0	720.4	825.9	852.8
147.5°	480.3	558.8	711.4	807.9	830.3
150°	491.5	554.3	702.4	790.0	807.9
152.5°	500.5	549.8	691.2	769.8	787.7
155°	511.7	547.6	677.7	751.8	765.3
157.5°	520.7	547.6	662.0	731.6	745.1
160°	529.6	547.6	644.1	711.4	722.6
162.5°	540.8	547.6	619.4	682.2	693.5
165°	552.1	549.8	601.4	653.1	662.0
167.5°	558.8	549.8	583.5	617.2	626.1
170°	563.3	554.3	567.8	592.5	594.7
172.5°	565.5	558.8	556.6	567.8	567.8
175°	565.5	558.8	556.6	556.6	552.1
177.5°	565.5	561.0	561.0	558.8	552.1
180°	561.0	561.0	561.0	561.0	561.0

(END OF REPORT)