

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: P275038

Luminaire Tested: **J3-CL-50L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275038
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 (6500K)
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 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4554.1 lumens
Efficiency: N/A
Efficacy: 122.4 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

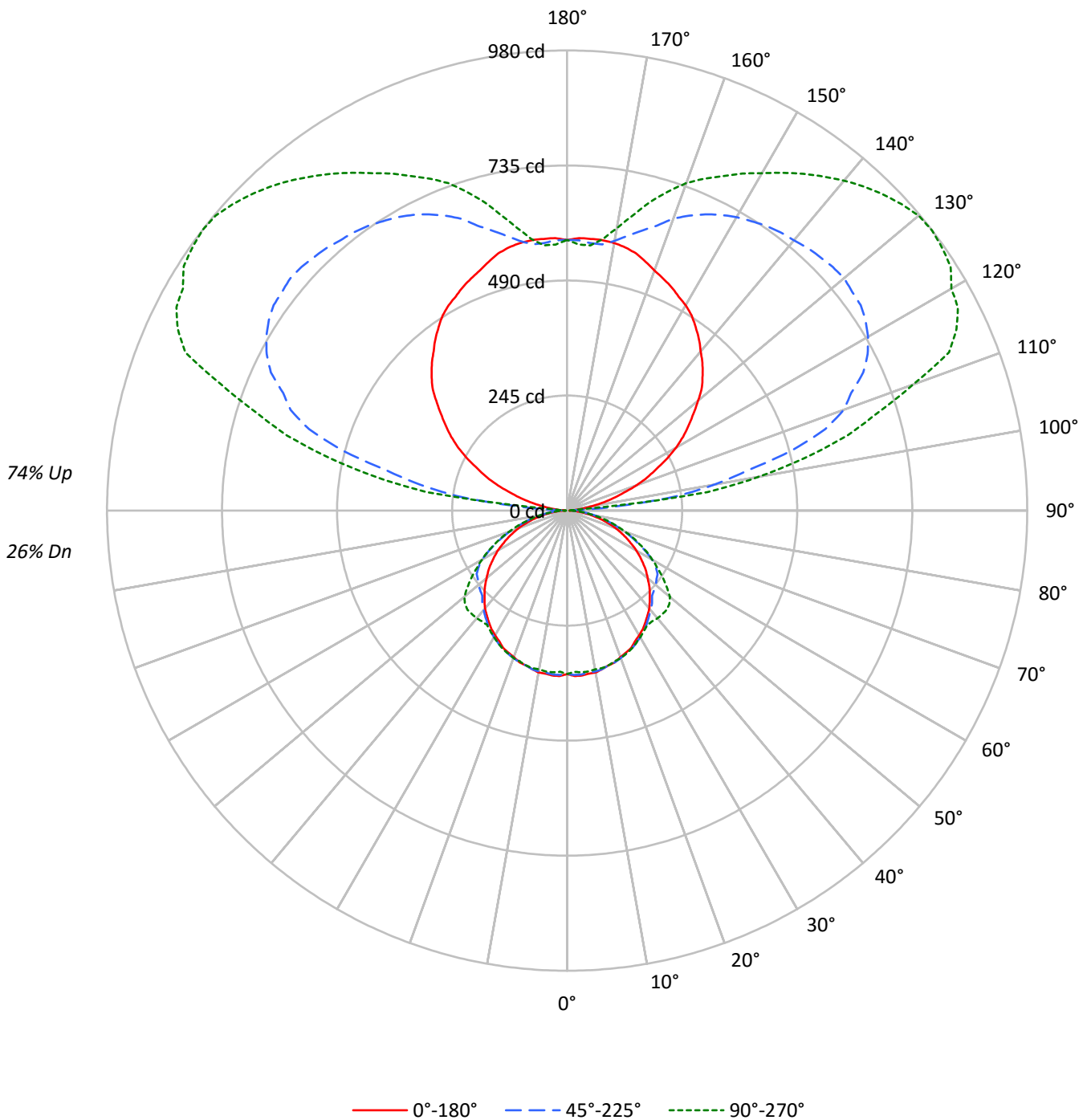
Input Watts (W): 37.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2809	2809	2809
5°	2858	2839	2801
10°	2872	2853	2815
15°	2851	2851	2851
20°	2851	2871	2871
25°	2874	2895	2895
30°	2858	2901	2901
35°	2862	2907	2930
40°	2866	2915	3157
45°	2842	2920	3420
50°	2808	3097	3589
55°	2790	3309	3503
60°	2754	3386	3386
65°	2686	3215	3259
70°	2611	3047	3102
75°	2445	2876	2948
80°	2250	2785	2678
85°	2130	2992	2566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	0.7
10°-20°	96.3	2.1
20°-30°	148.9	3.3
30°-40°	184.6	4.1
40°-50°	206.6	4.5
50°-60°	201.9	4.4
60°-70°	159.3	3.5
70°-80°	96.4	2.1
80°-90°	34.3	0.8
90°-100°	118.3	2.6
100°-110°	457.5	10.0
110°-120°	628.7	13.8
120°-130°	636.0	14.0
130°-140°	563.7	12.4
140°-150°	445.8	9.8
150°-160°	311.3	6.8
160°-170°	176.2	3.9
170°-180°	55.2	1.2
0°-30°	278.4	6.1
0°-40°	463.0	10.2
0°-60°	871.5	19.1
0°-90°	1161.5	25.5
90°-120°	1204.4	26.4
90°-150°	2849.9	62.6
90°-180°	3393.0	74.5
0°-180°	4554.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	348	348	348	348	348	
5°	353	348	350	348	346	34
15°	341	339	341	341	341	97
25°	323	318	325	325	325	148
35°	290	290	295	297	297	182
45°	249	251	256	288	300	192
55°	198	200	235	249	249	177
65°	141	148	168	171	171	139
75°	78	92	92	94	94	83
85°	23	37	32	30	28	24
90°	5	14	12	2	2	4
95°	18	92	111	23	23	23
105°	101	327	496	572	618	108
115°	210	442	696	862	915	209
125°	316	512	763	929	975	282
135°	408	562	763	913	952	314
145°	477	576	740	848	876	298
155°	526	562	696	772	786	242
165°	567	565	618	671	680	159
175°	581	574	572	572	567	55
180°	576	576	576	576	576	



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CATALOG NUMBER: J3-CL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	348.0	348.0	348.0	348.0	348.0
2.5°	352.7	348.0	350.3	348.0	343.4
5°	352.7	348.0	350.3	348.0	345.7
7.5°	350.3	348.0	348.0	345.7	345.7
10°	350.3	345.7	348.0	345.7	343.4
12.5°	345.7	343.4	345.7	343.4	343.4
15°	341.1	338.8	341.1	341.1	341.1
17.5°	338.8	334.2	338.8	338.8	336.5
20°	331.9	329.6	334.2	334.2	334.2
22.5°	327.3	325.0	329.6	329.6	329.6
25°	322.7	318.1	325.0	325.0	325.0
27.5°	313.5	313.5	318.1	320.4	318.1
30°	306.6	304.2	311.2	313.5	311.2
32.5°	299.6	297.3	304.2	306.6	304.2
35°	290.4	290.4	295.0	297.3	297.3
37.5°	281.2	281.2	285.8	288.1	297.3
40°	272.0	272.0	276.6	290.4	299.6
42.5°	260.5	260.5	267.4	288.1	299.6
45°	248.9	251.2	255.8	288.1	299.6
47.5°	237.4	239.7	251.2	285.8	295.0
50°	223.6	228.2	246.6	278.9	285.8
52.5°	212.1	214.4	239.7	267.4	267.4
55°	198.2	200.5	235.1	248.9	248.9
57.5°	184.4	186.7	223.6	228.2	228.2
60°	170.6	172.9	209.7	209.7	209.7
62.5°	154.4	159.0	189.0	191.3	191.3
65°	140.6	147.5	168.3	170.6	170.6
67.5°	124.5	136.0	149.8	152.1	152.1
70°	110.6	124.5	129.1	131.4	131.4
72.5°	94.5	108.3	110.6	112.9	112.9
75°	78.4	92.2	92.2	94.5	94.5
77.5°	62.2	73.8	76.1	76.1	76.1
80°	48.4	55.3	59.9	57.6	57.6
82.5°	34.6	43.8	43.8	43.8	41.5
85°	23.0	36.9	32.3	30.0	27.7
87.5°	13.8	32.3	18.4	16.1	16.1
90°	4.6	13.8	11.5	2.3	2.3
92.5°	9.2	23.0	11.5	9.2	6.9
95°	18.4	92.2	110.6	23.0	23.0
97.5°	34.6	154.4	237.4	281.2	301.9
100°	53.0	230.5	318.1	389.5	414.9
102.5°	76.1	278.9	391.8	481.7	518.6
105°	101.4	327.3	495.6	571.6	617.7
107.5°	126.8	364.2	576.2	661.5	693.8
110°	156.7	394.1	626.9	774.4	783.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	184.4	417.2	654.6	829.8	880.5
115°	209.7	442.5	696.1	862.0	915.0
117.5°	239.7	461.0	721.4	880.5	938.1
120°	267.4	477.1	739.9	903.5	945.0
122.5°	292.7	495.6	753.7	922.0	968.1
125°	315.8	511.7	762.9	928.9	975.0
127.5°	338.8	525.5	765.2	931.2	979.6
130°	364.2	539.3	769.8	928.9	977.3
132.5°	389.5	553.2	767.5	922.0	965.8
135°	408.0	562.4	762.9	912.7	951.9
137.5°	426.4	569.3	758.3	898.9	935.8
140°	442.5	573.9	751.4	882.8	917.4
142.5°	461.0	576.2	746.8	866.6	896.6
145°	477.1	576.2	739.9	848.2	875.9
147.5°	493.2	573.9	730.7	829.8	852.8
150°	504.8	569.3	721.4	811.3	829.8
152.5°	514.0	564.7	709.9	790.6	809.0
155°	525.5	562.4	696.1	772.1	786.0
157.5°	534.7	562.4	679.9	751.4	765.2
160°	544.0	562.4	661.5	730.7	742.2
162.5°	555.5	562.4	636.2	700.7	712.2
165°	567.0	564.7	617.7	670.7	679.9
167.5°	573.9	564.7	599.3	633.8	643.1
170°	578.5	569.3	583.1	608.5	610.8
172.5°	580.8	573.9	571.6	583.1	583.1
175°	580.8	573.9	571.6	571.6	567.0
177.5°	580.8	576.2	576.2	573.9	567.0
180°	576.2	576.2	576.2	576.2	576.2

(END OF REPORT)