

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: P275033

Luminaire Tested: **J3-CL-50L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275033
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4107.9 lumens
Efficiency: N/A
Efficacy: 115.4 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

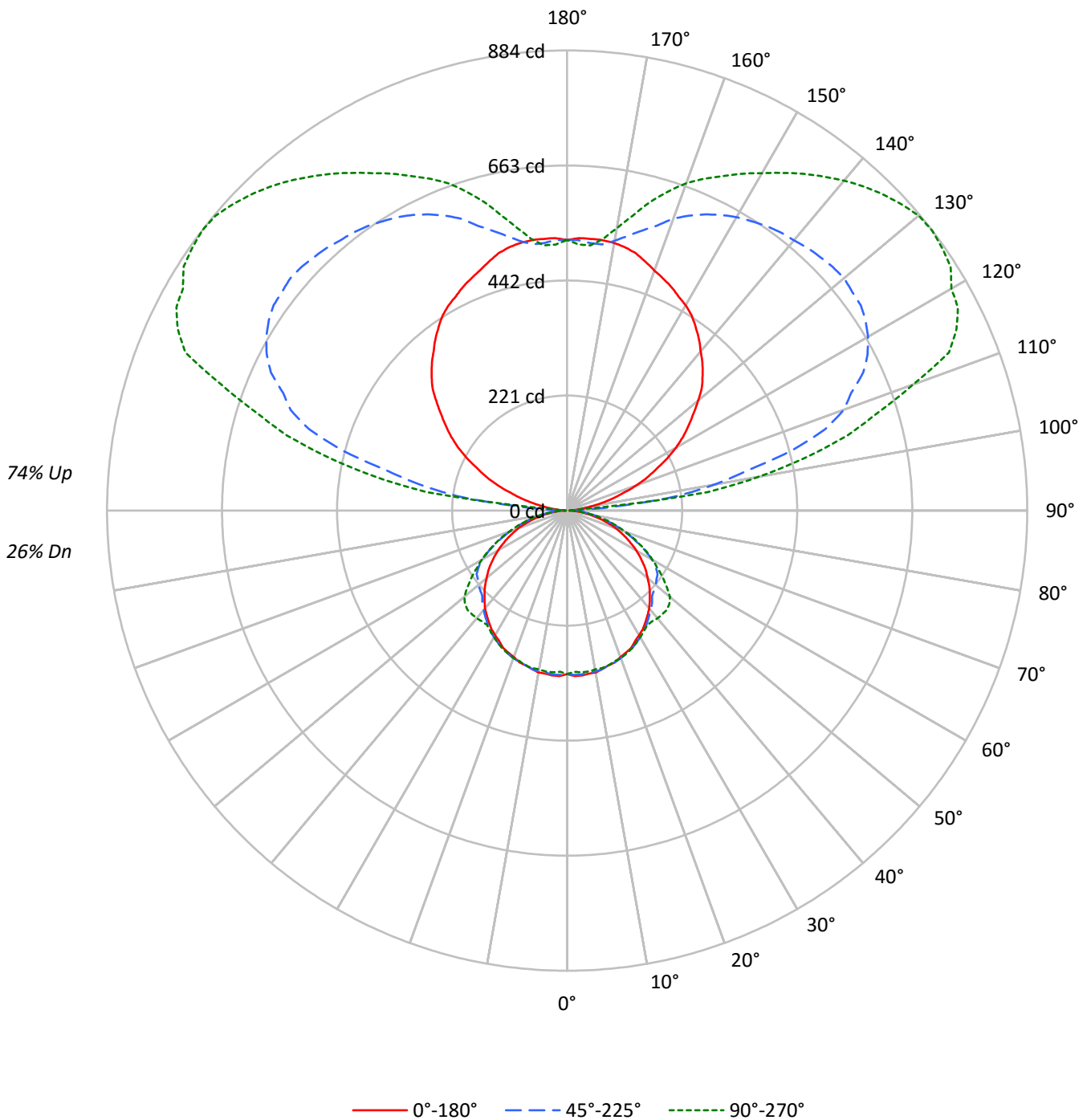
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2534	2534	2534
5°	2578	2561	2528
10°	2590	2573	2540
15°	2572	2572	2572
20°	2572	2590	2590
25°	2593	2611	2611
30°	2577	2617	2617
35°	2582	2622	2643
40°	2585	2629	2849
45°	2563	2635	3086
50°	2533	2794	3238
55°	2517	2985	3160
60°	2483	3055	3055
65°	2422	2900	2938
70°	2356	2747	2797
75°	2205	2595	2658
80°	2032	2515	2417
85°	1927	2695	2306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.9	0.7
10°-20°	86.9	2.1
20°-30°	134.3	3.3
30°-40°	166.6	4.1
40°-50°	186.4	4.5
50°-60°	182.1	4.4
60°-70°	143.7	3.5
70°-80°	86.9	2.1
80°-90°	31.0	0.8
90°-100°	106.7	2.6
100°-110°	412.6	10.0
110°-120°	567.1	13.8
120°-130°	573.7	14.0
130°-140°	508.4	12.4
140°-150°	402.1	9.8
150°-160°	280.8	6.8
160°-170°	158.9	3.9
170°-180°	49.8	1.2
0°-30°	251.1	6.1
0°-40°	417.7	10.2
0°-60°	786.1	19.1
0°-90°	1047.7	25.5
90°-120°	1086.4	26.4
90°-150°	2570.7	62.6
90°-180°	3060.0	74.5
0°-180°	4107.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	314	314	314	314	314	
5°	318	314	316	314	312	30
15°	308	306	308	308	308	87
25°	291	287	293	293	293	134
35°	262	262	266	268	268	164
45°	224	227	231	260	270	173
55°	179	181	212	224	224	160
65°	127	133	152	154	154	125
75°	71	83	83	85	85	75
85°	21	33	29	27	25	22
90°	4	12	10	2	2	4
95°	17	83	100	21	21	21
105°	92	295	447	516	557	97
115°	189	399	628	778	825	189
125°	285	462	688	838	879	255
135°	368	507	688	823	859	283
145°	430	520	667	765	790	269
155°	474	507	628	696	709	219
165°	511	509	557	605	613	144
175°	524	518	516	516	511	50
180°	520	520	520	520	520	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	313.9	313.9	313.9	313.9	313.9
2.5°	318.1	313.9	316.0	313.9	309.8
5°	318.1	313.9	316.0	313.9	311.9
7.5°	316.0	313.9	313.9	311.9	311.9
10°	316.0	311.9	313.9	311.9	309.8
12.5°	311.9	309.8	311.9	309.8	309.8
15°	307.7	305.6	307.7	307.7	307.7
17.5°	305.6	301.5	305.6	305.6	303.5
20°	299.4	297.3	301.5	301.5	301.5
22.5°	295.2	293.1	297.3	297.3	297.3
25°	291.1	286.9	293.1	293.1	293.1
27.5°	282.7	282.7	286.9	289.0	286.9
30°	276.5	274.4	280.7	282.7	280.7
32.5°	270.3	268.2	274.4	276.5	274.4
35°	262.0	262.0	266.1	268.2	268.2
37.5°	253.6	253.6	257.8	259.9	268.2
40°	245.3	245.3	249.5	262.0	270.3
42.5°	234.9	234.9	241.2	259.9	270.3
45°	224.5	226.6	230.8	259.9	270.3
47.5°	214.1	216.2	226.6	257.8	266.1
50°	201.7	205.8	222.5	251.6	257.8
52.5°	191.3	193.3	216.2	241.2	241.2
55°	178.8	180.9	212.1	224.5	224.5
57.5°	166.3	168.4	201.7	205.8	205.8
60°	153.8	155.9	189.2	189.2	189.2
62.5°	139.3	143.5	170.5	172.6	172.6
65°	126.8	133.1	151.8	153.8	153.8
67.5°	112.3	122.7	135.1	137.2	137.2
70°	99.8	112.3	116.4	118.5	118.5
72.5°	85.2	97.7	99.8	101.9	101.9
75°	70.7	83.2	83.2	85.2	85.2
77.5°	56.1	66.5	68.6	68.6	68.6
80°	43.7	49.9	54.1	52.0	52.0
82.5°	31.2	39.5	39.5	39.5	37.4
85°	20.8	33.3	29.1	27.0	24.9
87.5°	12.5	29.1	16.6	14.6	14.6
90°	4.2	12.5	10.4	2.1	2.1
92.5°	8.3	20.8	10.4	8.3	6.2
95°	16.6	83.2	99.8	20.8	20.8
97.5°	31.2	139.3	214.1	253.6	272.4
100°	47.8	207.9	286.9	351.4	374.2
102.5°	68.6	251.6	353.4	434.5	467.8
105°	91.5	295.2	447.0	515.6	557.2
107.5°	114.3	328.5	519.8	596.7	625.8
110°	141.4	355.5	565.5	698.6	706.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	166.3	376.3	590.4	748.5	794.2
115°	189.2	399.2	627.9	777.6	825.4
117.5°	216.2	415.8	650.7	794.2	846.2
120°	241.2	430.4	667.4	815.0	852.4
122.5°	264.0	447.0	679.8	831.6	873.2
125°	284.8	461.5	688.2	837.8	879.4
127.5°	305.6	474.0	690.2	839.9	883.6
130°	328.5	486.5	694.4	837.8	881.5
132.5°	351.4	499.0	692.3	831.6	871.1
135°	368.0	507.3	688.2	823.3	858.6
137.5°	384.6	513.5	684.0	810.8	844.1
140°	399.2	517.7	677.8	796.3	827.5
142.5°	415.8	519.8	673.6	781.7	808.7
145°	430.4	519.8	667.4	765.1	790.0
147.5°	444.9	517.7	659.1	748.5	769.2
150°	455.3	513.5	650.7	731.8	748.5
152.5°	463.6	509.4	640.3	713.1	729.7
155°	474.0	507.3	627.9	696.5	708.9
157.5°	482.3	507.3	613.3	677.8	690.2
160°	490.7	507.3	596.7	659.1	669.4
162.5°	501.0	507.3	573.8	632.0	642.4
165°	511.4	509.4	557.2	605.0	613.3
167.5°	517.7	509.4	540.5	571.7	580.0
170°	521.8	513.5	526.0	548.9	550.9
172.5°	523.9	517.7	515.6	526.0	526.0
175°	523.9	517.7	515.6	515.6	511.4
177.5°	523.9	519.8	519.8	517.7	511.4
180°	519.8	519.8	519.8	519.8	519.8

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