

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: P275014

Luminaire Tested: **J3-CL-40L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275014
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-40L82765-1D-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, 80 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4016.3 lumens
Efficiency: N/A
Efficacy: 138.0 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

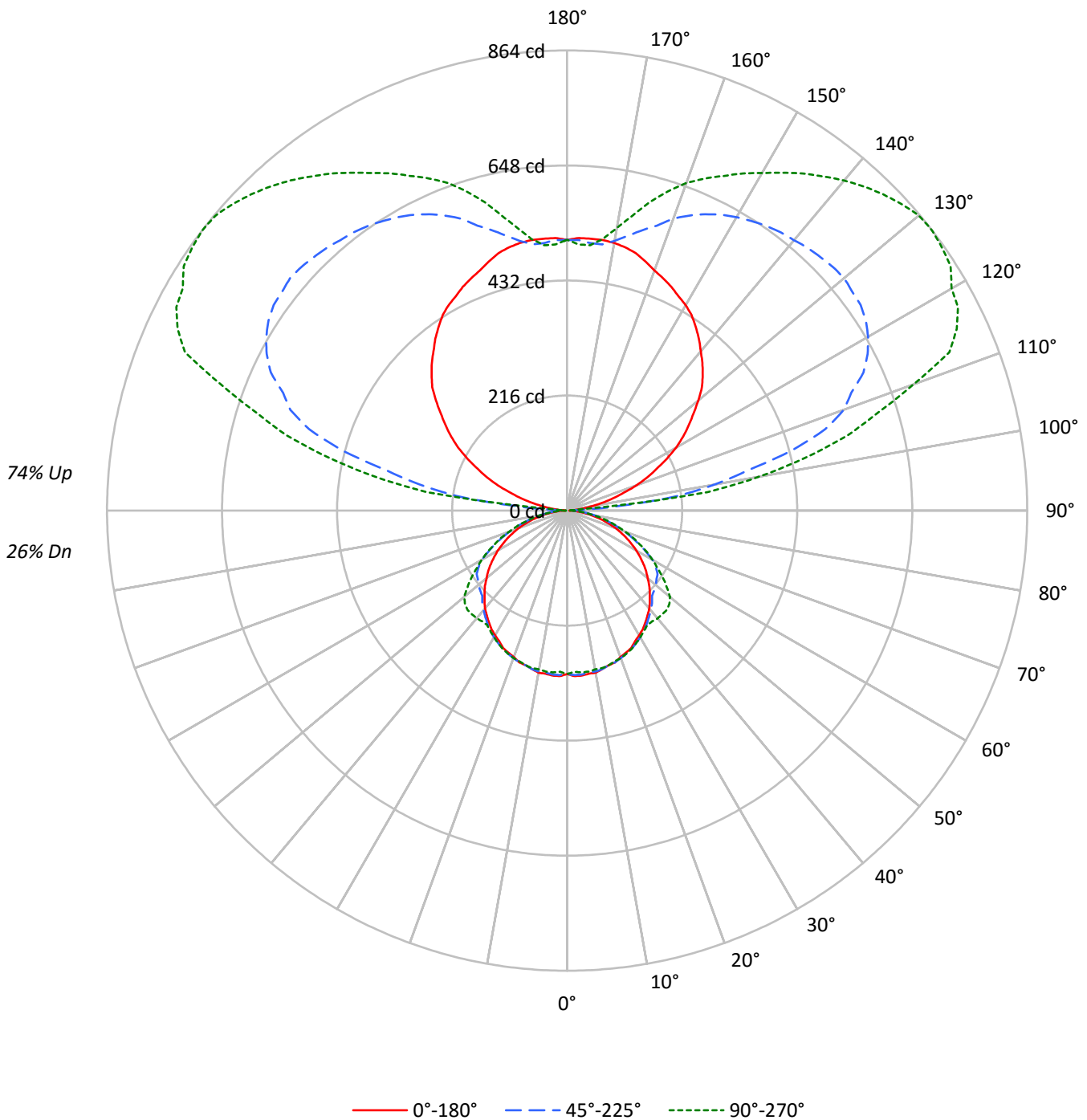
Input Watts (W): 29.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2478	2478	2478
5°	2520	2504	2471
10°	2533	2516	2483
15°	2514	2514	2514
20°	2515	2532	2532
25°	2535	2553	2553
30°	2520	2558	2558
35°	2524	2564	2584
40°	2528	2570	2784
45°	2506	2576	3016
50°	2477	2732	3166
55°	2460	2918	3089
60°	2428	2987	2987
65°	2369	2835	2873
70°	2304	2686	2736
75°	2155	2536	2598
80°	1985	2455	2362
85°	1880	2640	2260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	0.7
10°-20°	84.9	2.1
20°-30°	131.3	3.3
30°-40°	162.8	4.1
40°-50°	182.2	4.5
50°-60°	178.0	4.4
60°-70°	140.5	3.5
70°-80°	85.0	2.1
80°-90°	30.3	0.8
90°-100°	104.3	2.6
100°-110°	403.4	10.0
110°-120°	554.4	13.8
120°-130°	560.9	14.0
130°-140°	497.1	12.4
140°-150°	393.2	9.8
150°-160°	274.5	6.8
160°-170°	155.3	3.9
170°-180°	48.7	1.2
0°-30°	245.5	6.1
0°-40°	408.3	10.2
0°-60°	768.6	19.1
0°-90°	1024.4	25.5
90°-120°	1062.2	26.4
90°-150°	2513.4	62.6
90°-180°	2992.0	74.5
0°-180°	4016.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	307	307	307	307	307	
5°	311	307	309	307	305	30
15°	301	299	301	301	301	85
25°	285	280	287	287	287	131
35°	256	256	260	262	262	160
45°	220	222	226	254	264	169
55°	175	177	207	220	220	156
65°	124	130	148	150	150	122
75°	69	81	81	83	83	73
85°	20	32	28	26	24	21
90°	4	12	10	2	2	4
95°	16	81	98	20	20	20
105°	89	289	437	504	545	95
115°	185	390	614	760	807	185
125°	278	451	673	819	860	249
135°	360	496	673	805	840	277
145°	421	508	652	748	772	263
155°	463	496	614	681	693	214
165°	500	498	545	592	600	141
175°	512	506	504	504	500	49
180°	508	508	508	508	508	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	306.9	306.9	306.9	306.9	306.9
2.5°	311.0	306.9	309.0	306.9	302.9
5°	311.0	306.9	309.0	306.9	304.9
7.5°	309.0	306.9	306.9	304.9	304.9
10°	309.0	304.9	306.9	304.9	302.9
12.5°	304.9	302.9	304.9	302.9	302.9
15°	300.8	298.8	300.8	300.8	300.8
17.5°	298.8	294.7	298.8	298.8	296.8
20°	292.7	290.7	294.7	294.7	294.7
22.5°	288.6	286.6	290.7	290.7	290.7
25°	284.6	280.5	286.6	286.6	286.6
27.5°	276.4	276.4	280.5	282.5	280.5
30°	270.3	268.3	274.4	276.4	274.4
32.5°	264.2	262.2	268.3	270.3	268.3
35°	256.1	256.1	260.2	262.2	262.2
37.5°	248.0	248.0	252.1	254.1	262.2
40°	239.9	239.9	243.9	256.1	264.2
42.5°	229.7	229.7	235.8	254.1	264.2
45°	219.5	221.6	225.6	254.1	264.2
47.5°	209.4	211.4	221.6	252.1	260.2
50°	197.2	201.2	217.5	246.0	252.1
52.5°	187.0	189.0	211.4	235.8	235.8
55°	174.8	176.8	207.3	219.5	219.5
57.5°	162.6	164.6	197.2	201.2	201.2
60°	150.4	152.5	185.0	185.0	185.0
62.5°	136.2	140.3	166.7	168.7	168.7
65°	124.0	130.1	148.4	150.4	150.4
67.5°	109.8	119.9	132.1	134.2	134.2
70°	97.6	109.8	113.8	115.9	115.9
72.5°	83.3	95.5	97.6	99.6	99.6
75°	69.1	81.3	81.3	83.3	83.3
77.5°	54.9	65.0	67.1	67.1	67.1
80°	42.7	48.8	52.8	50.8	50.8
82.5°	30.5	38.6	38.6	38.6	36.6
85°	20.3	32.5	28.5	26.4	24.4
87.5°	12.2	28.5	16.3	14.2	14.2
90°	4.1	12.2	10.2	2.0	2.0
92.5°	8.1	20.3	10.2	8.1	6.1
95°	16.3	81.3	97.6	20.3	20.3
97.5°	30.5	136.2	209.4	248.0	266.3
100°	46.8	203.3	280.5	343.5	365.9
102.5°	67.1	246.0	345.6	424.8	457.4
105°	89.4	288.6	437.0	504.1	544.8
107.5°	111.8	321.2	508.2	583.4	611.8
110°	138.2	347.6	552.9	683.0	691.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	162.6	367.9	577.3	731.8	776.5
115°	185.0	390.3	613.9	760.2	807.0
117.5°	211.4	406.5	636.2	776.5	827.3
120°	235.8	420.8	652.5	796.8	833.4
122.5°	258.1	437.0	664.7	813.1	853.7
125°	278.5	451.3	672.8	819.2	859.8
127.5°	298.8	463.4	674.8	821.2	863.9
130°	321.2	475.6	678.9	819.2	861.9
132.5°	343.5	487.8	676.9	813.1	851.7
135°	359.8	496.0	672.8	804.9	839.5
137.5°	376.0	502.1	668.7	792.7	825.3
140°	390.3	506.1	662.7	778.5	809.0
142.5°	406.5	508.2	658.6	764.3	790.7
145°	420.8	508.2	652.5	748.0	772.4
147.5°	435.0	506.1	644.4	731.8	752.1
150°	445.2	502.1	636.2	715.5	731.8
152.5°	453.3	498.0	626.1	697.2	713.5
155°	463.4	496.0	613.9	680.9	693.1
157.5°	471.6	496.0	599.6	662.7	674.8
160°	479.7	496.0	583.4	644.4	654.5
162.5°	489.9	496.0	561.0	617.9	628.1
165°	500.0	498.0	544.8	591.5	599.6
167.5°	506.1	498.0	528.5	559.0	567.1
170°	510.2	502.1	514.3	536.6	538.7
172.5°	512.2	506.1	504.1	514.3	514.3
175°	512.2	506.1	504.1	504.1	500.0
177.5°	512.2	508.2	508.2	506.1	500.0
180°	508.2	508.2	508.2	508.2	508.2

(END OF REPORT)