

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: P275010

Luminaire Tested: **J3-CL-40L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275010
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

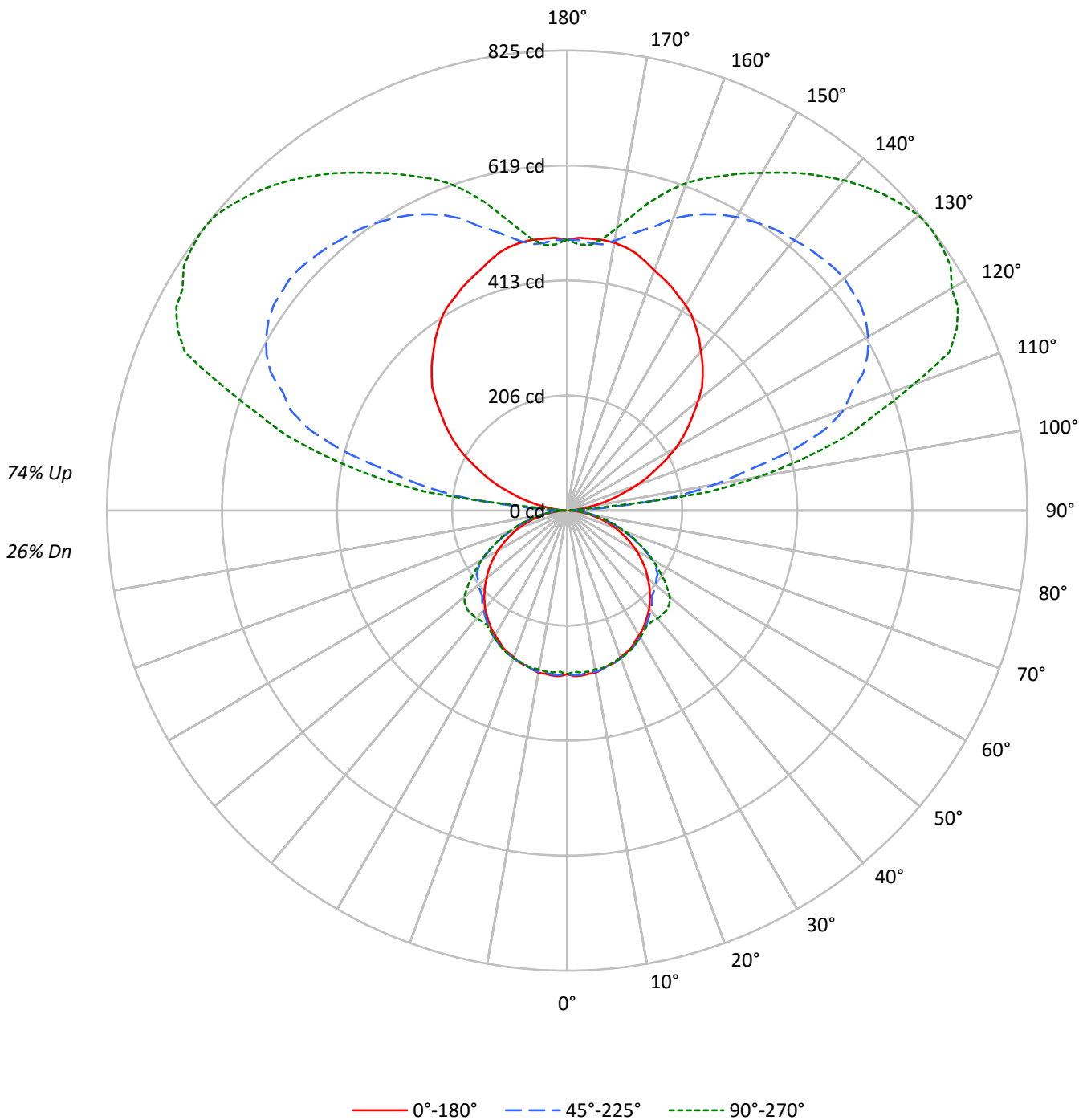
Lumens per Lamp: N/A
Luminaire Lumens: 3835.7 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 28.2
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	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°	2366	2366	2366
5°	2407	2391	2360
10°	2419	2403	2371
15°	2401	2401	2401
20°	2401	2418	2418
25°	2421	2438	2438
30°	2407	2443	2443
35°	2411	2449	2468
40°	2414	2455	2660
45°	2394	2460	2882
50°	2365	2609	3023
55°	2349	2787	2951
60°	2320	2853	2853
65°	2262	2707	2745
70°	2200	2566	2613
75°	2059	2424	2483
80°	1897	2348	2255
85°	1797	2519	2158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.0	0.7
10°-20°	81.1	2.1
20°-30°	125.4	3.3
30°-40°	155.5	4.1
40°-50°	174.0	4.5
50°-60°	170.1	4.4
60°-70°	134.2	3.5
70°-80°	81.2	2.1
80°-90°	28.9	0.8
90°-100°	99.6	2.6
100°-110°	385.3	10.0
110°-120°	529.5	13.8
120°-130°	535.7	14.0
130°-140°	474.7	12.4
140°-150°	375.5	9.8
150°-160°	262.2	6.8
160°-170°	148.4	3.9
170°-180°	46.5	1.2
0°-30°	234.5	6.1
0°-40°	390.0	10.2
0°-60°	734.1	19.1
0°-90°	978.3	25.5
90°-120°	1014.4	26.4
90°-150°	2400.3	62.6
90°-180°	2857.0	74.5
0°-180°	3835.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	293	293	293	293	293	
5°	297	293	295	293	291	28
15°	287	285	287	287	287	81
25°	272	268	274	274	274	125
35°	245	245	248	250	250	153
45°	210	212	216	243	252	162
55°	167	169	198	210	210	149
65°	118	124	142	144	144	117
75°	66	78	78	80	80	70
85°	19	31	27	25	23	20
90°	4	12	10	2	2	4
95°	16	78	93	19	19	19
105°	85	276	417	481	520	91
115°	177	373	586	726	771	176
125°	266	431	643	782	821	238
135°	344	474	643	769	802	265
145°	402	485	623	714	738	251
155°	443	474	586	650	662	204
165°	478	476	520	565	573	134
175°	489	483	481	481	478	47
180°	485	485	485	485	485	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	293.1	293.1	293.1	293.1	293.1
2.5°	297.0	293.1	295.1	293.1	289.2
5°	297.0	293.1	295.1	293.1	291.2
7.5°	295.1	293.1	293.1	291.2	291.2
10°	295.1	291.2	293.1	291.2	289.2
12.5°	291.2	289.2	291.2	289.2	289.2
15°	287.3	285.4	287.3	287.3	287.3
17.5°	285.4	281.5	285.4	285.4	283.4
20°	279.5	277.6	281.5	281.5	281.5
22.5°	275.7	273.7	277.6	277.6	277.6
25°	271.8	267.9	273.7	273.7	273.7
27.5°	264.0	264.0	267.9	269.8	267.9
30°	258.2	256.2	262.1	264.0	262.1
32.5°	252.4	250.4	256.2	258.2	256.2
35°	244.6	244.6	248.5	250.4	250.4
37.5°	236.8	236.8	240.7	242.7	250.4
40°	229.1	229.1	233.0	244.6	252.4
42.5°	219.4	219.4	225.2	242.7	252.4
45°	209.7	211.6	215.5	242.7	252.4
47.5°	199.9	201.9	211.6	240.7	248.5
50°	188.3	192.2	207.7	234.9	240.7
52.5°	178.6	180.5	201.9	225.2	225.2
55°	166.9	168.9	198.0	209.7	209.7
57.5°	155.3	157.2	188.3	192.2	192.2
60°	143.7	145.6	176.7	176.7	176.7
62.5°	130.1	133.9	159.2	161.1	161.1
65°	118.4	124.2	141.7	143.7	143.7
67.5°	104.8	114.5	126.2	128.1	128.1
70°	93.2	104.8	108.7	110.7	110.7
72.5°	79.6	91.2	93.2	95.1	95.1
75°	66.0	77.7	77.7	79.6	79.6
77.5°	52.4	62.1	64.1	64.1	64.1
80°	40.8	46.6	50.5	48.5	48.5
82.5°	29.1	36.9	36.9	36.9	34.9
85°	19.4	31.1	27.2	25.2	23.3
87.5°	11.6	27.2	15.5	13.6	13.6
90°	3.9	11.6	9.7	1.9	1.9
92.5°	7.8	19.4	9.7	7.8	5.8
95°	15.5	77.7	93.2	19.4	19.4
97.5°	29.1	130.1	199.9	236.8	254.3
100°	44.6	194.1	267.9	328.1	349.4
102.5°	64.1	234.9	330.0	405.7	436.8
105°	85.4	275.7	417.4	481.4	520.3
107.5°	106.8	306.7	485.3	557.1	584.3
110°	132.0	332.0	528.0	652.3	660.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	155.3	351.4	551.3	698.9	741.6
115°	176.7	372.7	586.3	726.0	770.7
117.5°	201.9	388.3	607.6	741.6	790.1
120°	225.2	401.8	623.1	761.0	795.9
122.5°	246.5	417.4	634.8	776.5	815.3
125°	266.0	431.0	642.6	782.3	821.2
127.5°	285.4	442.6	644.5	784.3	825.0
130°	306.7	454.3	648.4	782.3	823.1
132.5°	328.1	465.9	646.4	776.5	813.4
135°	343.6	473.7	642.6	768.7	801.7
137.5°	359.1	479.5	638.7	757.1	788.1
140°	372.7	483.4	632.8	743.5	772.6
142.5°	388.3	485.3	629.0	729.9	755.1
145°	401.8	485.3	623.1	714.4	737.7
147.5°	415.4	483.4	615.4	698.9	718.3
150°	425.1	479.5	607.6	683.3	698.9
152.5°	432.9	475.6	597.9	665.8	681.4
155°	442.6	473.7	586.3	650.3	662.0
157.5°	450.4	473.7	572.7	632.8	644.5
160°	458.1	473.7	557.1	615.4	625.1
162.5°	467.8	473.7	535.8	590.1	599.8
165°	477.5	475.6	520.3	564.9	572.7
167.5°	483.4	475.6	504.7	533.8	541.6
170°	487.3	479.5	491.1	512.5	514.4
172.5°	489.2	483.4	481.4	491.1	491.1
175°	489.2	483.4	481.4	481.4	477.5
177.5°	489.2	485.3	485.3	483.4	477.5
180°	485.3	485.3	485.3	485.3	485.3

(END OF REPORT)