

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: P275009

Luminaire Tested: **J3-CL-40L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275009
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 (3500K)
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 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3754.9 lumens
Efficiency: N/A
Efficacy: 134.1 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

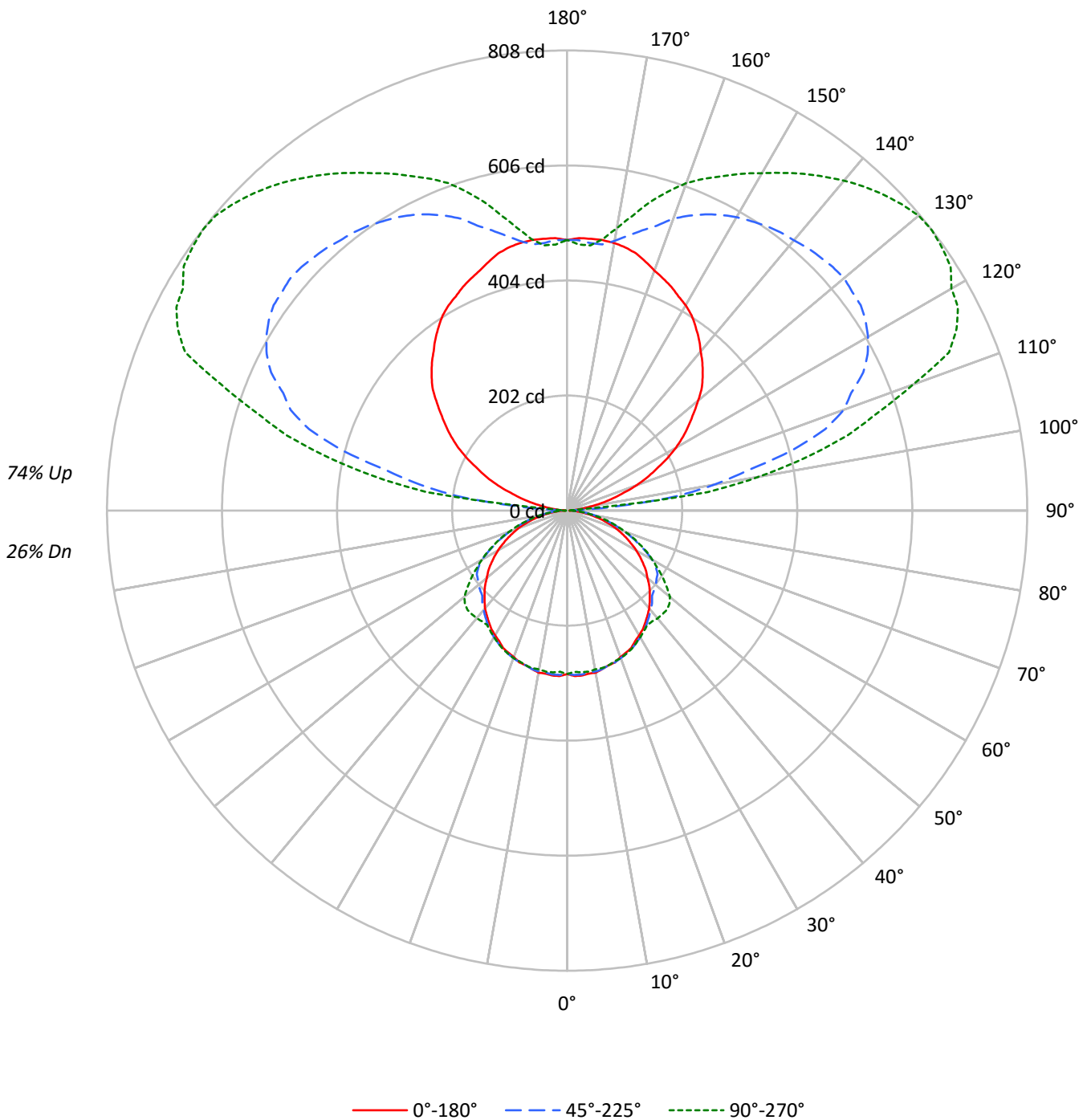
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2317	2317	2317
5°	2357	2341	2310
10°	2368	2353	2322
15°	2351	2351	2351
20°	2351	2368	2368
25°	2370	2387	2387
30°	2357	2392	2392
35°	2360	2398	2417
40°	2363	2403	2604
45°	2343	2408	2821
50°	2315	2553	2960
55°	2300	2728	2888
60°	2270	2792	2792
65°	2214	2649	2686
70°	2153	2511	2556
75°	2015	2371	2430
80°	1855	2297	2208
85°	1760	2464	2112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	0.7
10°-20°	79.4	2.1
20°-30°	122.8	3.3
30°-40°	152.3	4.1
40°-50°	170.4	4.5
50°-60°	166.4	4.4
60°-70°	131.3	3.5
70°-80°	79.5	2.1
80°-90°	28.3	0.8
90°-100°	97.5	2.6
100°-110°	377.2	10.0
110°-120°	518.3	13.8
120°-130°	524.4	14.0
130°-140°	464.8	12.4
140°-150°	367.6	9.8
150°-160°	256.6	6.8
160°-170°	145.2	3.9
170°-180°	45.5	1.2
0°-30°	229.6	6.1
0°-40°	381.8	10.2
0°-60°	718.6	19.1
0°-90°	957.7	25.5
90°-120°	993.1	26.4
90°-150°	2349.8	62.6
90°-180°	2797.0	74.5
0°-180°	3754.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	287	287	287	287	287	
5°	291	287	289	287	285	28
15°	281	279	281	281	281	80
25°	266	262	268	268	268	122
35°	240	240	243	245	245	150
45°	205	207	211	238	247	158
55°	163	165	194	205	205	146
65°	116	122	139	141	141	114
75°	65	76	76	78	78	68
85°	19	30	27	25	23	20
90°	4	11	10	2	2	4
95°	15	76	91	19	19	19
105°	84	270	409	471	509	89
115°	173	365	574	711	754	172
125°	260	422	629	766	804	233
135°	336	464	629	753	785	259
145°	393	475	610	699	722	246
155°	433	464	574	637	648	200
165°	468	466	509	553	561	131
175°	479	473	471	471	468	46
180°	475	475	475	475	475	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	287.0	287.0	287.0	287.0	287.0
2.5°	290.8	287.0	288.9	287.0	283.2
5°	290.8	287.0	288.9	287.0	285.1
7.5°	288.9	287.0	287.0	285.1	285.1
10°	288.9	285.1	287.0	285.1	283.2
12.5°	285.1	283.2	285.1	283.2	283.2
15°	281.3	279.4	281.3	281.3	281.3
17.5°	279.4	275.6	279.4	279.4	277.5
20°	273.7	271.8	275.6	275.6	275.6
22.5°	269.9	268.0	271.8	271.8	271.8
25°	266.1	262.3	268.0	268.0	268.0
27.5°	258.5	258.5	262.3	264.2	262.3
30°	252.8	250.9	256.6	258.5	256.6
32.5°	247.1	245.2	250.9	252.8	250.9
35°	239.5	239.5	243.3	245.2	245.2
37.5°	231.8	231.8	235.7	237.6	245.2
40°	224.2	224.2	228.0	239.5	247.1
42.5°	214.7	214.7	220.4	237.6	247.1
45°	205.2	207.1	210.9	237.6	247.1
47.5°	195.7	197.6	207.1	235.7	243.3
50°	184.3	188.1	203.3	229.9	235.7
52.5°	174.8	176.7	197.6	220.4	220.4
55°	163.4	165.3	193.8	205.2	205.2
57.5°	152.0	153.9	184.3	188.1	188.1
60°	140.6	142.5	172.9	172.9	172.9
62.5°	127.3	131.1	155.8	157.7	157.7
65°	115.9	121.6	138.7	140.6	140.6
67.5°	102.6	112.1	123.5	125.4	125.4
70°	91.2	102.6	106.4	108.3	108.3
72.5°	77.9	89.3	91.2	93.1	93.1
75°	64.6	76.0	76.0	77.9	77.9
77.5°	51.3	60.8	62.7	62.7	62.7
80°	39.9	45.6	49.4	47.5	47.5
82.5°	28.5	36.1	36.1	36.1	34.2
85°	19.0	30.4	26.6	24.7	22.8
87.5°	11.4	26.6	15.2	13.3	13.3
90°	3.8	11.4	9.5	1.9	1.9
92.5°	7.6	19.0	9.5	7.6	5.7
95°	15.2	76.0	91.2	19.0	19.0
97.5°	28.5	127.3	195.7	231.8	249.0
100°	43.7	190.0	262.3	321.2	342.1
102.5°	62.7	229.9	323.1	397.2	427.6
105°	83.6	269.9	408.6	471.3	509.3
107.5°	104.5	300.3	475.1	545.4	572.0
110°	129.2	325.0	516.9	638.5	646.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	152.0	344.0	539.7	684.1	726.0
115°	172.9	364.9	573.9	710.8	754.5
117.5°	197.6	380.1	594.8	726.0	773.5
120°	220.4	393.4	610.0	745.0	779.2
122.5°	241.4	408.6	621.4	760.2	798.2
125°	260.4	421.9	629.0	765.9	803.9
127.5°	279.4	433.3	630.9	767.8	807.7
130°	300.3	444.7	634.7	765.9	805.8
132.5°	321.2	456.1	632.8	760.2	796.3
135°	336.4	463.7	629.0	752.6	784.9
137.5°	351.6	469.4	625.2	741.2	771.6
140°	364.9	473.2	619.5	727.9	756.4
142.5°	380.1	475.1	615.7	714.6	739.3
145°	393.4	475.1	610.0	699.3	722.2
147.5°	406.7	473.2	602.4	684.1	703.1
150°	416.2	469.4	594.8	668.9	684.1
152.5°	423.8	465.6	585.3	651.8	667.0
155°	433.3	463.7	573.9	636.6	648.0
157.5°	440.9	463.7	560.6	619.5	630.9
160°	448.5	463.7	545.4	602.4	611.9
162.5°	458.0	463.7	524.5	577.7	587.2
165°	467.5	465.6	509.3	553.0	560.6
167.5°	473.2	465.6	494.1	522.6	530.2
170°	477.0	469.4	480.8	501.7	503.6
172.5°	478.9	473.2	471.3	480.8	480.8
175°	478.9	473.2	471.3	471.3	467.5
177.5°	478.9	475.1	475.1	473.2	467.5
180°	475.1	475.1	475.1	475.1	475.1

(END OF REPORT)